STATE OF CALIFORNIA
The Resources Agency
Department of Water Resources

BULLETIN No. 130-72

HYDROLOGIC DATA: 1972

Volume II: NORTHEASTERN CALIFORNIA

DECEMBER 1973

NORMAN B. LIVERMORE, JR.
Secretary for Resources
The Resources Agency

RONALD REAGAN
Governor
State of California

JOHN R. TEERINK
Director
Department of Water Resources

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BULLETIN No. 130

HYDROLOGIC DATA
AREAL COVERAGE OF VOLUMES

EACH VOLUME CONTAINS

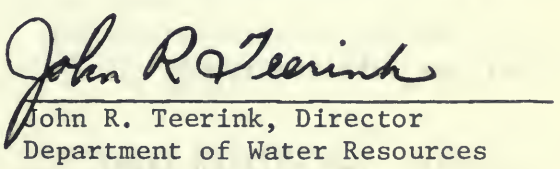
Appendix A: Climatological Data
Appendix B: Surface Water Measurements
Appendix C: Ground Water Measurements
Appendix D: Surface Water Quality Data
Appendix E: Ground Water Quality Data

THIS VOLUME :

FOREWORD

The hydrologic data programs of the Department of Water Resources supplement the data collection activities of other agencies and help satisfy the needs for data on the quality and quantity of water in the State. Bulletin No. 130-72 presents accurate, comprehensive, and timely hydrologic data which provide a more complete knowledge of the factors affecting our environment and are prerequisites for effective planning, design, construction, and operation of water facilities.

The Bulletin No. 130 series is published annually in five volumes. Each volume presents hydrologic data for one of five reporting areas of the State. These areas are delineated on the map on the opposite page.



John R. Teerink, Director
Department of Water Resources
The Resources Agency
State of California
October 1, 1973

METRIC CONVERSION TABLE

ENGLISH UNIT	EQUIVALENT METRIC UNIT
1 Inch (in)	2.54 Centimeters
1 Foot (ft)	0.3048 Meters
1 Mile (mi)	1.609 Kilometers
1 Acre	0.405 Hectares
1 Square mile (sq.mi.)	2.590 Square kilometers
1 U. S. gallon (gal)	3.785 Liters
1 Acre-foot (ac.ft.)	1,233.5 Cubic meters
1 U. S. gallon per minute (gpm)	0.0631 Liters per second
1 Cubic foot per second (cfs)	1.7 Cubic meters per minute
1 Part per million (ppm)	1 Milligram per liter (mg/l)
1 Part per billion (ppb)	1 Microgram per liter (ug/l)
1 Part per trillion (ppt)	1 Nanogram per liter (ng/l)
1 Equivalent per million (epm)	1 Milliequivalent per liter (me/l)
Degrees Fahrenheit (°F)	5/9 (°F-32) Degrees Celsius (°C)

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State of California
The Resources Agency
DEPARTMENT OF WATER RESOURCES

RONALD REAGAN, Governor, State of California
NORMAN B. LIVERMORE, Jr., Secretary for Resources
JOHN R. TEERINK, Director, Department of Water Resources

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Arcade Water District
Butte County
California Water Service Company
City of Sacramento
City of Stockton

Colusa County
East Bay Municipal Utility District
Glenn County
Lake County
National Weather Service

Pacific Gas and Electric Company
Placer County
Sacramento County
Sacramento Municipal Utility District
San Joaquin County

Solano County
South San Joaquin Irrigation District
South Sutter Water District
Stockton-East Water District
Sutter County

Tehama County
U. S. Army, Corps of Engineers
U. S. Bureau of Reclamation
U. S. Forest Service
U. S. Geological Survey

Yolo County
Yuba County

ABSTRACT

Report contains tables showing data on climate, surface water flow, change of ground water levels, and surface and ground water quality in Northeastern California for the 1971-72 water year. Figures show the location of climatological observation stations and ground water basins; the fluctuation of average ground water level in wells; the location of surface water measurement and surface water quality stations; and hydrographic unit boundaries.

INTRODUCTION

This bulletin contains data regarding climate, surface water, ground water levels, and surface and ground water quality. The data were collected by the Department of Water Resources and by various organizations cooperating with the Department.

The Department is currently reevaluating its methods of dissemination of hydrologic data with special emphasis being placed on relating current data to historic measurements. As an initial step, the table showing ground water levels for individual wells has been eliminated from this edition and more emphasis has been placed on water level changes with respect to time.

The Department's data files are being reorganized for more efficient retrieval of the data. This change will eliminate the need for publication of much of the basic data and will make it easier for the Department to respond to requests for specific data. Inquiries regarding local data should be directed to the District Offices listed as follows:

Central District
P. O. Box 9137
3251 S Street
Sacramento, CA 95816

San Joaquin District
P. O. Box 2385
3374 East Shields Avenue
Fresno, CA 93723

Northern District
P. O. Box 607
2440 Main Street
Red Bluff, CA 96080

Southern District
P. O. Box 6598
849 South Broadway
Los Angeles, CA 90055

Inquiries regarding statewide data should be directed to the Division Office:

Division of Resources Development
P. O. Box 388
1416 Ninth Street
Sacramento, CA 95802

Federal and local agencies also are maintaining substantial data files. A partial listing follows:

Federal Agencies

U. S. Army, Corps of Engineers
Sacramento District
650 Capitol Mall
Sacramento, CA 95814

U. S. Department of the Interior
Geological Survey
Water Resources Division
855 Oak Grove Avenue
Menlo Park, CA 94025

U. S. Department of the Interior
Geological Survey
Water Resources Division
2800 Cottage Way
Sacramento, CA 95825

U. S. Department of the Interior
Bureau of Reclamation
Mid-Pacific Regional Office
2800 Cottage Way
Sacramento, CA 95825

Local Agencies

East Bay Municipal Utility
District
Mokelumne Area Representative
P. O. Box 61
Lodi, CA 95240

Pacific Gas & Electric Company
5555 Florin-Perkins Road
Sacramento, CA 95826

County of Sacramento
Department of Public Works
Water Resources Division
827-7th Street
Sacramento, CA 95814

Sacramento Municipal Utility
District
P. O. Box 15830
6201 S Street
Sacramento, CA 95813

San Joaquin County Flood Control
and Water Conservation Distric
P. O. Box 1810
Stockton, CA 95201

Appendix A

CLIMATOLOGICAL DATA

This appendix contains precipitation data for certain climate stations and storage gages for the 1972 water year, October 1, 1971, through September 30, 1972. Additional precipitation data, as well as data concerning air temperature, wind, and evaporation, are available in the National Weather Service's publications "Climatological Data - California"; Hourly Precipitation Data - California"; and, for particular key stations, "Local Climate Data". These publications can be obtained from:

Superintendent of Documents
Government Printing Office
Washington, D. C. 20402

Other agencies within the area covered by this report have established their own supplemental rain gage networks. Some of these agencies are: California Department of Parks and Recreation; East Bay Municipal Utility District; Pacific Gas and Electric Company; Sacramento County; Sacramento Municipal Utility District; Tehama Flood Control and Water Conservation District.

Each station in this appendix has been assigned an identification number. The letter and first digit denote the hydrographic unit as shown below. The remaining digits denote the sequence of the station in alphabetical order.

Sacramento River Basin

A0 Sacramento Valley Floor
A1 Pit River
A2 Shasta Lake
A3 Sacramento Valley Westside
A4 Sacramento Valley Northeast
A5 Feather River
A6 Yuba-Bear Rivers
A7 American River
A8 Cache Creek
A9 Putah Creek

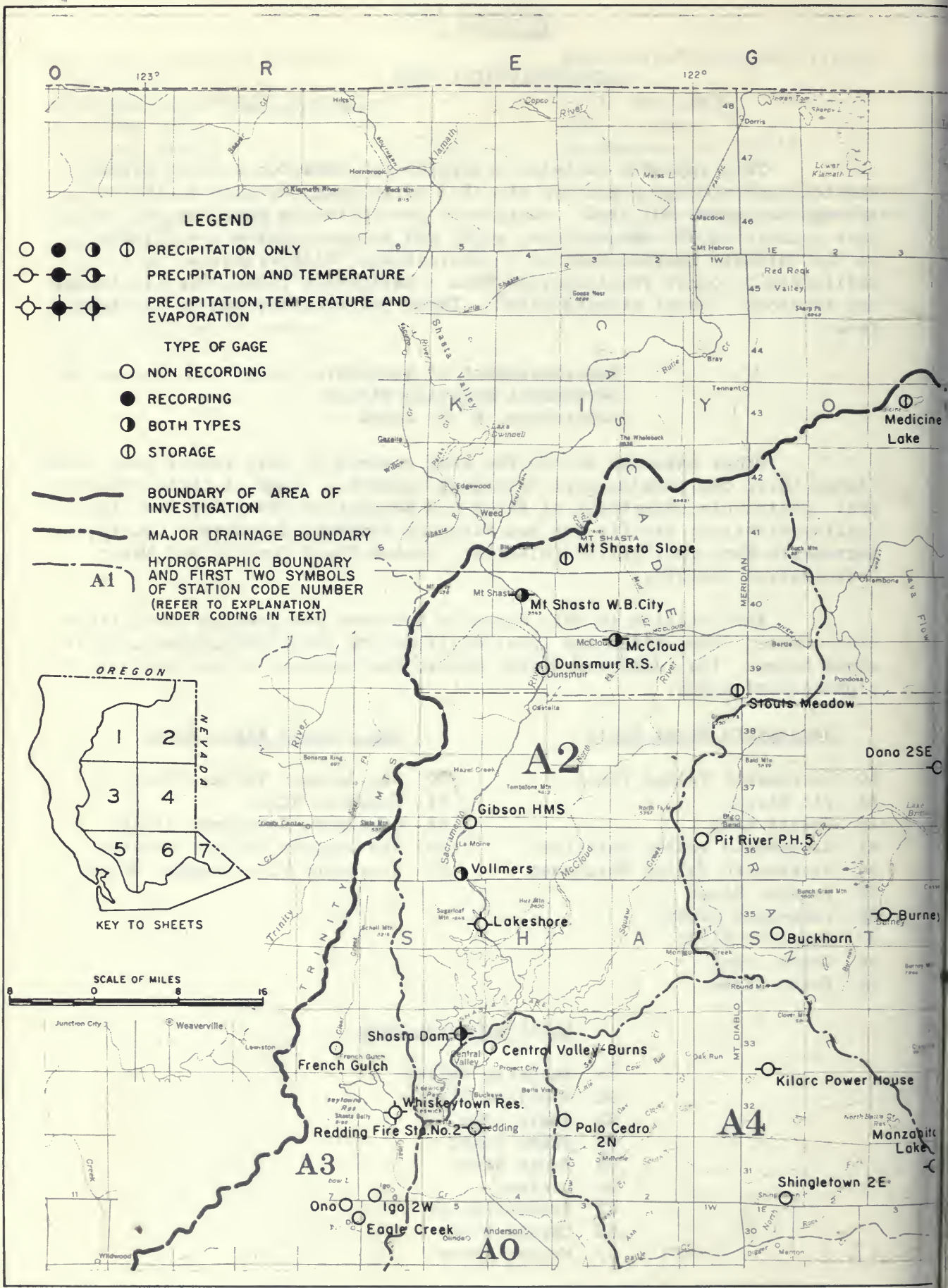
San Joaquin River Basin

B0 San Joaquin Valley Floor
B1 Cosumnes River
B2 Mokelumne-Calaveras Rivers
B8 San Joaquin Valley Westside
B9 Sacramento-San Joaquin Delta

North Lahontan Area

G1 Surprise Valley
G2 Madeline Plains
G3 Eagle Lake
G4 Susan River
G5 Smoke River
G6 Herlong
G7 Truckee River
G8 Carson River
G9 Walker River

FIGURE A-1 SHEET 1 OF 7

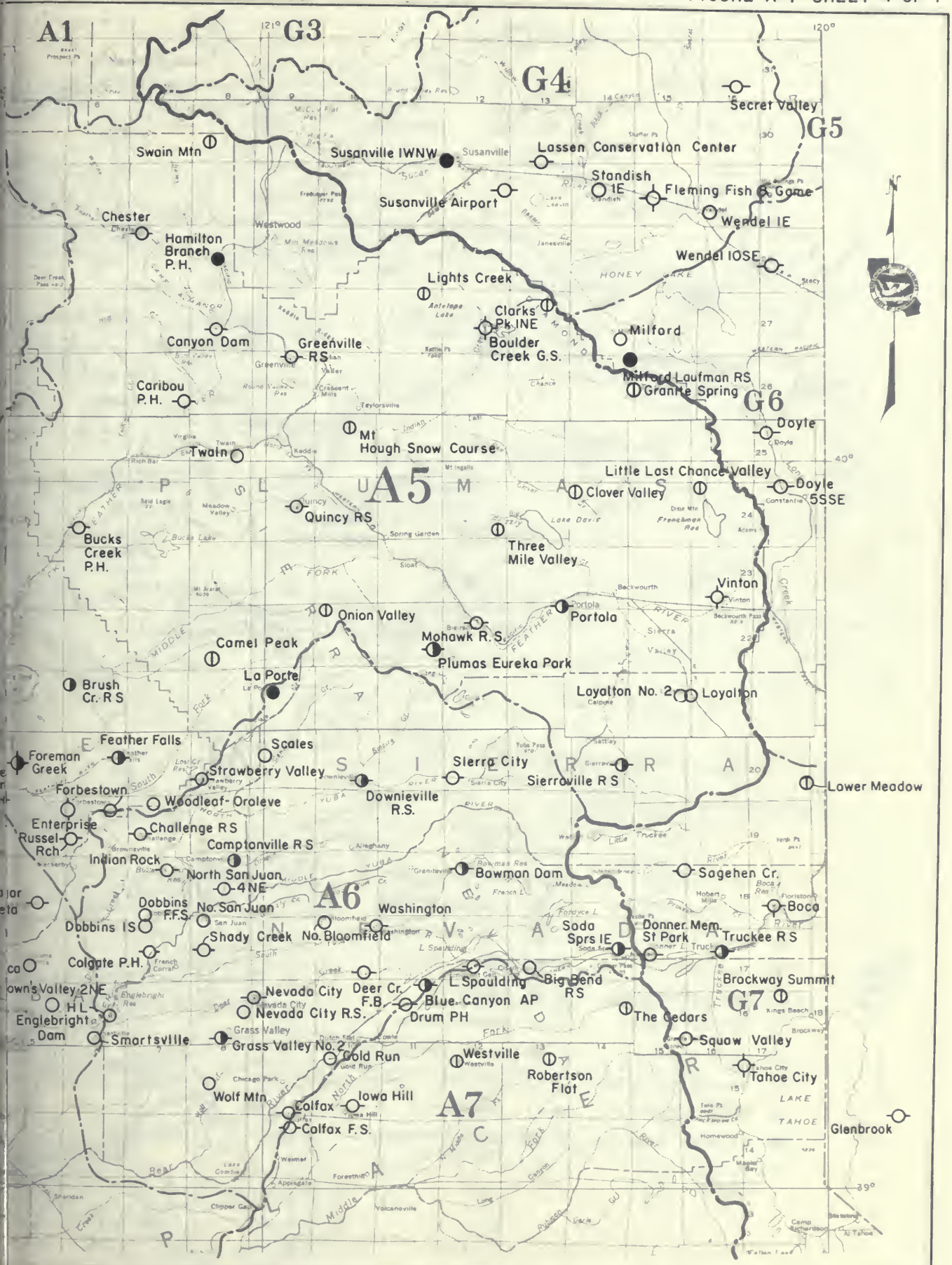


CLIMATOLOGICAL OBSERVATION STATIONS 1971 - 72

CLIMATOLOGICAL OBSERVATION STATIONS 1971 - 72

FIGURE A-1 SHEET 3 OF 7

CLIMATOLOGICAL OBSERVATION STATIONS 1971-72



CLIMATOLOGICAL OBSERVATION STATIONS 1971 - 72

FIGURE A-1 SHEET 5 OF 7

CLIMATOLOGICAL OBSERVATION STATIONS 1971 - 72

CLIMATOLOGICAL OBSERVATION STATIONS 1971 - 72

FIGURE A-1 SHEET 7 OF 7

CLIMATOLOGICAL OBSERVATION STATIONS 1971-72

TABLE A-1

PRECIPITATION IN NORTHEASTERN CALIFORNIA
DURING WATER YEAR 1972

This table summarizes monthly precipitation totals for selected stations for the 1972 water year, October 1, 1971, through September 30, 1972. The table shows each station's assigned number in accordance with the explanation given in the Introduction to this appendix. Location is shown by latitude and longitude in degrees to the third decimal.

Precipitation values are shown to the nearest hundredth (.01) of an inch. Where Fischer & Porter rain gages are used, a zero is shown in the second decimal place, even though these instruments record to only the nearest tenth (.1) of an inch. The following notations are used to qualify the values:

-	No record or incomplete record
B	Record began
E	Wholly or partially estimated
N	Record ends
T	Trace, an amount too small to measure

The county code shown for each station is in accordance with the Standard California County Codes shown below.

Alameda	60	Marin	21	San Mateo	41
Alpine	02	Mariposa	22	Santa Barbara	42
Amador	03	Mendocino	23	Santa Clara	43
Butte	04	Merced	24	Santa Cruz	44
Calaveras	05	Modoc	25	Shasta	45
Colusa	06	Mono	26	Sierra	46
Contra Costa	07	Monterey	27	Siskiyou	47
Del Norte	08	Napa	28	Solano	48
El Dorado	09	Nevada	29	Sonoma	49
Fresno	10	Orange	30	Stanislaus	50
Glenn	11	Placer	31	Sutter	51
Humboldt	12	Plumas	32	Tehama	52
Imperial	13	Riverside	33	Trinity	53
Inyo	14	Sacramento	34	Tulare	54
Kern	15	San Benito	35	Tuolumne	55
Kings	16	San Bernardino	36	Ventura	56
Lake	17	San Diego	90	Yolo	57
Lassen	18	San Francisco	80	Yuba	58
Los Angeles	70	San Joaquin	39		
Madera	20	San Luis Obispo	40	Oregon	61
				Nevada	62
				Arizona	63
				Mexico	64

TABLE A-1 (Cont.)

PRECIPITATION IN NORTHEASTERN CALIFORNIA DURING WATER YEAR 1972

CO	STA NO	LAT	LONG	ELEV	STATION NAME	TOTAL	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
25	A10002900	41.200	120.950	4193	ADIN RS	14.42	.83	2.10	1.40	2.13	2.81	.68	.98	1.09	.67	.00	.00T	1.73
60	B80014603	37.743	121.587	300	ALTAMONT 4E	.00-	.00T	.35	2.19	.70	1.12	.10	.62	.00	.00-	.00	.00	.50
5	B20014900	38.083	120.560	1545	ALTAVILLE COF	19.42	.33	3.91	7.77	1.99	2.13	.44	2.35	.11	.10	.00	.00	.29
25	A10015600	41.500	120.531	4400	ALTURAS COPCO	12.96	1.04	1.45	1.12	1.38	2.05	1.46	.93	.77	.48	.10	.50	1.68
25	A10016100	41.483	120.533	4365	ALTURAS RS	11.43	.73	1.36	.90	1.53	2.48	.91	.99	.64	.24	.04	.19	1.42
7	B90022700	38.013	121.770	28	ANTIOCH FIRREHC MILL	7.05	.02	.84	3.16	.66	.80	.03	.45	.00T	.34	.00	.00	.75
7	B80023200	37.983	121.727	60	ANTIOCH PUMP PLANT 3	7.32	.03	.59	2.96	.60	1.90	.06	.44	.10	.12	.00	.00	.52
31	A70024100	38.993	120.969	2200	APPLEGATE	33.51	1.27	4.48	10.87	2.88	5.72	1.67	3.35	.79	.57	.00	.00	1.91
34	A00025500	38.594	121.353	87	ARDEN AND MISSION	.00-	.41	.98	4.97	.52	1.29	.49	1.49	.34	.00-	.00-	.00-	.71
31	A70038300	38.899	121.068	1292	AUBURN	24.62	1.13	3.08	8.70	2.28	3.52	1.18	2.85	.59	.22	.00	.00	1.07
04	A60048100	39.390	121.407	750	BANGOR FIRE STATION	18.48	.53	2.59	6.73	1.62	2.57	.57	1.79	.61	.40	.00	.00	1.07
18	A10073100	41.121	121.140	4130	BIEBER	12.00E	.48	1.67	1.34	1.52	2.66	1.03	.80E	.78	.21	.00	.00	1.51
18	A10073108	41.161	121.188	4190	BIEBER 4NW	15.73	.56	2.19	1.33	2.03	3.51	1.69	1.22	1.04	.41	.00	.00	1.75
31	A60074700	39.306	120.516	5739	BIG BEND R S	.00-	1.22	7.02	12.25	4.57	9.29	3.60	7.68	.00N	.00-	.00-	.00-	.00-
11	A00084100	39.788	122.303	375	BLACK BUTTE RANCH	8.43	.11	1.31	3.05	1.03	.73	.20	.57	.84	.15	.00	.00	.44
09	A70088300	38.909	120.666	4414	BLOODGETT EXP FCREST	52.20	1.20	8.30	16.00	4.40	8.50	3.20	6.70	.70	.50	.00	.00	2.70
31	A70089700	39.278	120.707	5280	BLUE CANYON WB AP	54.27	1.25	7.46	13.67	6.38	9.34	4.31	6.76	1.12	.62	.00	.08	3.28
29	G70093100	39.388	120.092	5575	BOCA	16.86	.76	1.74	5.23	1.05	2.03	.43	1.55	2.25	.43	.00	.29	1.11
26	G90094300	38.212	119.012	8370	BODIE	9.52	.73	.96	3.70	.50	.18	.03	1.11	.17	.55	.39	.46	.74
29	A60101800	39.444	120.656	5347	BOWMAN DAM	53.93	.85	7.40	13.38	5.69	9.23	4.24	6.82	1.40	1.27	.00	.04	3.61
34	B90104300	38.108	121.696	35	BRANNAN ISLAND	8.73	.04	.86	4.00	.80	1.11	.11	.95	.05	.20	.00	.00	.61
7	B80106000	37.883	121.774	325	BRENTWOOD 6SW	8.02	.08	.73	3.89	1.00	.99	.10	.88	.00	.00	.00	.00	.35
26	G90107600	38.276	119.288	6560	BRIDGEPORT R S	8.07	.02	1.49	2.37	.20	.06	.04	1.54	.48	.66	.08	.18	.95
57	A80111200	38.764	122.155	294	BROOKS FARNHAM RANCH	10.58	.03	.90	5.33	.85	1.61	.12	.86	.28	.33	.00T	.00	.27
58	A00111758	39.260	121.376	435	BROWNS VALLEY 2 NE	.00-	.16	2.47	7.06	1.38	2.63	.77	1.93	.42	.38	.00-	.00-	.00-
04	A50113000	39.691	121.338	3560	BRUSH CREEK R S	40.42	.64	5.86	10.97	5.59	6.92	2.36	5.51	1.39	.05	.00	.01	1.12
45	A10114900	40.866	121.850	3771	BUCKHORN	56.79E	1.26	8.58	10.96	7.63	9.59	6.38	5.52	1.00	1.80	.00	.07	4.00E
32	A50115900	39.911	121.326	1760	BUCKS CREEK PH	48.17	.49	6.53	12.94	5.10	7.92	4.66	6.57	1.53	.59	.00	.09	1.75
45	A10121400	40.883	121.666	3127	BURNEY	20.99	.44	2.38	3.34	2.78	3.85	1.02	2.90	1.15	.15	.00T	.06	2.92
5	B20127700	38.277	120.308	4696	CALAVERAS BIG TREES	35.19	.97	7.29	13.59	3.61	2.85	1.16	4.94	.19	.27	.00T	.00T	.32
5	B20142800	38.250	120.843	658	CAMP PARDEE	16.14	.27	2.61	6.72	1.14	1.91	.25	1.64	.10	.12	.00	.00	1.38
58	A60146200	39.451	121.048	2755	CAMPTONVILLE R S	.00-	.81	5.74	10.14	5.12	7.58	2.71	5.38	.93	.42	.00	.00-	.00-
25	A10147500	41.371	121.050	4505	CANBY 11 SW	.00-	.00-	.00-	.00-	.00-	.00-	.00-	.00-	.00-	.00-	.00-	.00-	.00-
25	A10147600	41.450	120.866	4312	CANBY RS	10.93	.63	1.42	1.91	1.34	1.89	.79	1.01	.42	.12	.00	.14	1.26
32	A50149700	40.171	121.086	4555	CANYON DAM	29.52	.09	3.16	7.99	3.22	6.18	1.89	3.75	1.71	.21	.00	.05	1.27
57	A80150000	38.705	122.116	300	CAPAY 4W	14.34	.08	1.12	7.54	1.23	2.15	.17	.97	.30	.09	.00	.00	0.69
32	A50152200	40.086	121.147	2986	CARIBOU PH	32.75	.22	2.66	9.44	3.53	7.05	1.93	4.13	1.09	.31	.00	.51	1.88
39	B80158300	37.633	121.533	625	CASTLE ROCK RAC LAB	4.32	.10	.42	1.78	.54	.52	.04	.45	.05	.02	.00	.00	.40
25	G10161400	41.528	120.173	4670	CEDARVILLE	13.34	.36	1.95	1.75	2.41	2.55	2.10	.16	.74	.30	.00	.11	.91
25	G10161405	41.439	120.097	4450	CEDARVILLE HANSEN	7.35	.20	.71	.74	1.07	1.36	.97	.24	.52	.38	.04	.24	.88
45	A00163401	40.676	122.365	765	CENTRAL VALLEY BURNS	36.36	.72	6.67	6.42	5.51	3.18	5.75	3.01	1.77	1.80	.00T	.02	1.51
34	B00163501	38.416	121.366	38	CENTRAL VALLEY HATCHER	10.76	.60	.75	3.76	.72	1.44	.42	2.15	.31	.06	.00	.00	.55
58	A60165300	39.483	121.222	2560	CHALLENGE R S	44.56	.68	5.50	13.63	6.40	6.91	2.17	5.86	1.01	.44	.00	.00	1.96
04	A50169300	39.635	121.526	1355	CHEROKEE	24.53	.56	3.22	8.16	1.98	3.05	1.64	3.67	.91	.50	.00	.00T	.84
32	A50170000	40.305	121.227	4525	CHESTER	23.58	.11	1.99	6.46	2.47	3.00	2.55	3.13	1.65	.16	.05	.05	1.96
04	A00171500	39.700	121.783	205	CHICO EXPERIMENT STA	11.66	.21	1.73	2.89	1.73	1.64	.60	1.39	.55	.50	.00	.01	.41
34	A00177300	38.707	121.296	138	CITRUS HEIGHTS	15.59	.64	1.31	6.13	1.03	2.06	.53	2.06	.44	.12	.00	.00	1.27
34	A00177334	38.679	121.283	160	CITRUS HEIGHTS F.S.	14.99	.73	1.16	6.04	.82	1.98	.60	1.89	.41	.15	.00	.00	1.21
57	B90178400	38.416	121.533	14	CLARKSBURG	10.76	.09	1.05	4.25	.69	1.23	.48	1.64	.27	.15	.00	.00	.91
11	A00178500	39.548	122.398	410	CLARKS VALLY MUDD	8.35	.19	1.20	3.74	.82	.91	.03	.53	.66	.15	.00	.00	.12
17	A80180600	38.966	122.650	1320	CLEARLAKE HGHLDS	15.12	.18	1.75	6.56	1.35	2.01	.38	1.37	.53	.08	.00	.00	.91
31	A60182700	38.969	121.019	1675	CLIPPER GAP	28.13	1.27	3.55	9.71	2.45	4.51	1.43	3.25	.73	.31	.00	.00T	.92
04	A40189100	39.944	121.719	3180	COHASSET 1 NNE	37.31	.46	4.64	8.22	5.67	5.18	2.60	5.37	2.03	1.30	.00	.15	1.69
45	A00190700	40.400	122.133	420	COLEMAN FISH HATCHERY	19.35	.00	2.71	3.88	1.74	3.23	1.20	2.86	1.36	.27	.00	.00T	2.10
31	A70191200	39.098	120.952	2418	COLFAX	.00-	1.17	5.29	11.22	3.99	6.69	2.04	.00-	1.35	.00T	.00	.00T	1.95
31	A70191201	39.090	120.946	2350	COLFAX FIRE STATION	35.80	1.63	4.39	10.53	3.04	5.76	2.12	4.33	.83	.70	.00	.00	2.47
58	A60191600	39.330	121.188	585	COLGATE POWER HOUSE	26.51	.47	3.11	9.22	2.47	4.62	1.10	2.70	.63	.21	.00	.00	1.98
09	A70192200	38.801	120.891	770	COLOMA	24.67	.81	3.34	8.72	1.71	3.73	1.37	2.87	.33	.38	.00	.00	1.41
06	A00194800	39.200	122.016	60	COLUSA 1 SSW	8.29	.33	.77	3.23	.84	1.10	.35	.58	.34	.21	.00	.00T	.54
09	A70198500	38.883	121.016	1525	COOL	.00-	1.04	2.87	8.54	1.46	3.95	1.40	.00-	.00-	.28	.00-	.00-	1.07
52	A00202303	39.900	122.194	270	CORNING UHL	9.54	.26	1.33	2.72	1.19	.95	.19	.87	1.06	.17	.00	.00	.80
52	A00202700	39.900	122.366	487	CORNING HOUGHTON RCH	9.27	.16	1.67	2.92	.97	.68	.20	.57	.80	.17	.00	.00	1.13
45	A00207000	40.376	122.408	475	COTTONWOOD TW	18.58	.23	4.18	4.12	2.25	1.20	1.40	1.62	1.68	.68	.00	.13	1.09
34	A00207334	38.667	121.388	56	COUNTRY CLUB CENTRE	12.24	.36	1.01	5.35	.67	1.59	.37	1.60	.36	.09	.00	.00	.84
25	A10208500	41.921	120.519	4900	COVE RANCH	15.25	.23	1.85	2.23	3.97	2.85	1.52	.75	.57	.30	.03	.00T	.95
17	A80222400	38.950	122.890	1421	CUNNINGHAM	22.22	.94	2.64	8.49	1.58	3.32	1.21	2.85	.35	.00	.00	.00	.84
3	B10225200	38.530	120.773	1820	D AGOSTINI WINERY	23.24	.54	4.01	7.73	1.43	3.48	.65	3.00	.23	.26	.00	.06	1.85
45	A10226900	41.094	121.516	3320	DANA 2 SE	.00-	.57	3.32	3.86	4.51	4.67	2.16	3.00	.00-	.48	.00-	.04	1.84
58	A00227600	39.165	121.512	85	DANTONI ORCHARD	12.83	.26	1.45	4.66	.91	2.16	.36	1.20	.29	.40	.00	.00	1.14
45	A40228300	40.431	121.994	975	DARRAH FISH HATCHERY	21.83	.36	2.21	3.33	2.91	2.77	1.89	2.25	3.69	.30	.00	.12	2.00
57	A00229400	38.534	121.774	60	DAVIS 2WSW	9.43	.06	.99	3.63	.97	1.39	.08	.90	.30	.27	.00T	.00	.84
57	A00229402	38.554	121.679	29	DAVIS STATE NURSERY	10.53	.30	.89	3.82	1.05	1.51	.13	1.27	.24	.30	.00	.00	1.02
25	A10230600	41.215	121.388	3650	DAY	17.21	.69	1.83	2.78	2.31	3.22	1.37	1.89	1.03	.28	.00	.08	1.73
29	A60233800	39.293	120.824	4455	DEER CREEK FOREBAY	51.33	.71	6.41	13.69	6.49	10.47	3.53	5.44	1.21	.74	.00	.00	2.64
04	A40240200	39.866	121.616	2700	DE SABLA	40.01	.49	5.78	10.69	6.14	4.60	2.73	5.53	1.64	1.30	.00	.10	1.01
34	A00241400	38.649	121.306	160	DEWEY AND WINDING WY	.00-	.85	1.16	6.53	.85	2.14	.43	1.95	.40	.00-	.00-	.00-	1.37
9	B10243550	38.688	120.811	1805	DIAMOND SPRINGS	28.45	.86	3.45	8.97	2.52	4.21	1.21	3.46	.43	.38	.00	.00T	2.96
09	G70245300	38.978	120.101	6775	D.L. BLISS STATE PARK	30.96	.28	6.70	10.92	2.08	2.67	1.17	4.20	.57	.91	.02	.04	1.40
58	A60245600	39.366	121.200	1640	DOBBINS 1 S	34.29	.66	4.18	9.99	3.59	6.71	1.72	4.15	.78	.23	.00	.00T	2.28
58	A60245700	39.381	121.219	1820	DOBBINS F.F.S.	.00-	.63	4.31	9.86	.00-	.00-	.00-	.00-	.00-	.00-	.00-	.00-	.00-
29	G70246700	39.322	120.231	5937	DONNER MEM ST PARK	.00-	1.03	4.36	11.97	2.92	5.06	2.02	3.96	.71	.59	.00	.00	30.2
46	A60250000	39.558	120.829	2895	DOWNIEVILLE R S	50.96	.97	7.01	11.38	6.85	8.73	3.79	8.03	.94	.63	.00	.02	2.61
18	G60250400	40.028	120.103	4240	DOYLE	7.70	.34	.66	2.73	.45	.74	.26	.34	.50	.57	.05	.24	.82
18	G60250600	39.950	120.083	4385	DOYLE 5SSE	13.58	.44	1.76	3.89	1.05	1.52	.60	1.20	.82	.56	.25	.38	1.11
29	A60251400	39.257	120.766	3412	DRUM POWER HOUSE	.00-	1.19	6.66	15.06	5.75	9.87	3.96	7.12	.00	.00-	.00	.10	2.74
3	B10251800	38.446	120.859	740	DRYTOWN-VAIRA RANCH	.00-	.38	2.98	6.86	1.23	2.62	.36	2.58	.24	.00-	.00-	.00-	.00-
57	A00254300	38.763	121.839	65	DUFOUR	.00-	.25	.89	4.64	1.14	1.66	.07	.63	.27	.22	.00	.00-	.00-
57	A00256800	38.885	121.965	65	DUNNIGAN	11.36	.26	1.28	5.11	1.13	1.46	.11	.62	.52	.22	.00	.00	.65
57	A00256900	38.887	121.988	104	DUNNIGAN POWERS RCH	9.35	.23	.80	4.41	.89	1.28	.11	.61	.56	.26	.00	.00	.20
47	A20257200	41.216	122.266	2420	DUNSMUIR R S	44.65	2.08	7.03	8.27	7.39	7.28	4.62	4.25	1.60	1.09	.00T	.24	.80

TABLE A-1 (Cont.)

PRECIPITATION IN NORTHEASTERN CALIFORNIA DURING WATER YEAR 1972

CO	STA NO	LAT	LONG	ELEV	STATION NAME	TOTAL	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
04	A00257600	39.633	121.800	160	DURHAM	10.55	.65	1.45	2.62	1.75	1.60	.43	.92	.56	.35	.00	.00	.22
45	A00259000	40.473	122.610	950	EAGLE CR	25.06	.56	4.49	4.90	3.35	2.33	3.44	1.24	2.36	.91	.00T	.00T	1.48
18	G00259502	40.651	120.772	5121	EAGLE LAKE NELSON	12.14	.27	.89	4.24	.80	1.59	.69	1.23	.72	.74	.00	.10	.87
06	A00264000	39.366	122.516	1205	EAST PARK RESERVOIR	11.66	.17	1.43	5.56	.87	1.63	.07	.93	.73	.09	.00	.00	.18
09	A00272000	38.679	120.868	1550	EL DORADO FFS	25.47	.77	3.04	8.24	2.18	4.01	1.04	2.90	.40	.29	.00	.00	2.60
3	B00272800	38.319	120.669	715	ELECTRA PH	22.34	.43	3.77	8.90	2.11	2.54	.45	2.17	.11	.09	.00	.01	1.76
57	A00274400	38.676	121.629	40	ELKHORN FERRY	.00-	.46	.91	5.45	.99	.00-	.28	1.36	.29	.50	.00	.00T	.74
39	B00276000	38.236	121.193	92	ELLIOTT	11.76	.31	1.05	5.64	.72	1.06	.32	1.29	.14	.20	.00	.00	1.03
04	A50283804	39.531	121.367	920	ENTERPRISE OWID	26.92	.78	3.29	9.55	3.46	3.33	1.24	3.31	.84	.37	.00	.00	.75
48	E30293400	38.255	122.040	38	FAIRFIELD FIRE STA	11.65	.06	2.20	4.16	1.30	1.54	.19	1.00	.02	.20	.00	.00	.98
34	A00294800	38.642	121.270	180	FAIR OAKS	14.88	.54	1.03	5.79	.76	1.63	.77	2.81	.26	.18	.00	.00	1.11
45	A10296400	41.016	121.466	3340	FALL RIV MILLS INT	.00-	.61	2.54	1.98	1.31	4.38	.99	1.97	1.33	.25	.00-	.00	.00-
04	A50299400	39.593	121.258	2965	FEATHER FALLS	.00-	.80	.00-	.00-	.00-	.00-	.00-	3.50	1.20	.30	.00	.00	1.20
52	A00302000	40.350	122.450	800	FERGUSON RANCH	20.90E	.20	4.70	4.70	2.60	1.30	1.70	2.00	1.50	.70	.00	.00	1.50E
3	B10303800	38.525	120.700	2140	FIDDLETOWN LYNCH RCH	29.39	.49	5.50	10.09	1.83	4.27	.96	3.31	.28	.18	.00	.05	2.43
17	A80305600	38.982	122.874	1377	FINLEY 1 SSE	17.46	.30	2.51	6.10	1.97	2.27	.90	2.08	.34	.00	.00	.00T	.99
18	G00308700	40.352	120.303	4000	FLEMING FISH + GAME	6.34	.06	.20	2.53	.36	.84	.13	.48	.81	.06	.00T	.00	.87
11	A30309200	39.788	122.500	595	FLOOD RCH	10.77	.22	1.80	3.75	.89	.82	.20	.55	.88	.29	.00	.00T	1.37
34	A70313100	38.706	121.161	350	FOLSOM OAM	.00-	.72	2.07	5.55	1.02	2.44	.62	2.59	.49	.23	.00	.00-	1.45
04	A50312700	39.528	121.281	2900	FORBESTOWN	39.51	.92	4.79	12.05	5.52	5.88	2.27	5.15	1.28	.35	.00	.00	1.30
04	A50312804	39.586	121.447	935	FOREMAN CREEK	21.88	.53	3.30	7.06	2.52	2.89	1.06	2.61	.96	.39	.00	.00	.56
31	A70313400	39.020	120.824	3190	FORESTMILL R S	39.67	1.17	5.43	12.85	3.49	6.82	3.07	4.22	.79	.56	.00	.00	1.27
04	A40313525	39.884	121.663	2520	FOREST RANCH	28.98	.41	1.92	8.11	3.46	3.80	2.06	5.33	1.78	1.32	.00T	.05	.74
25	G10315700	41.850	120.133	4498	FORT BIDWELL	18.21	.44	2.19	2.69	4.72	2.40	2.28	.79	.55	.26	.00T	.40	1.49
45	A30324200	40.700	122.633	1100	FRENCH GULCH	31.15	.81	5.26	5.97	4.51	2.94	4.46	3.29	1.65	.97	.00	.00	1.29
34	A00326611	38.522	121.361	50	FRUITRIDGE AND HEDGE	.00-	.22	.90	4.83	.57	1.27	.38	1.55	.31	.00-	.00-	.00-	.83
11	A00326702	39.588	122.451	610	FRUTO 2	9.42	.38	1.40	3.82	.84	1.05	.08	.60	.81	.21	.00	.00	.23
34	B00330100	38.253	121.303	47	GALT	9.83	.31	.91	4.34	.59	1.26	.27	1.41	.08	.10	.00	.00	.56
09	A70333800	38.833	120.844	1940	GARDEN VALLEY 2 S	.00-	.87	4.12	10.73	2.28	5.31	1.57	3.14	.45	.45	.00	.00-	.00-
09	A70338400	38.924	120.788	3001	GEORGETOWN R S	39.92	1.00	5.64	12.75	3.92	6.73	1.78	5.05	.48	.52	.00	.00	2.05
45	A20340500	41.010	122.406	1435	GIRSON HMS	.00-	1.43	.00-	9.29	7.26	7.17	5.01	5.15	1.59	1.76	.00-	.25	1.45
31	A70349100	39.172	120.866	3320	GOLD RUN	47.05	1.49	5.90	13.69	4.98	8.02	2.94	5.59	1.05	.62	.00	.00	2.77
34	B90354100	38.193	121.615		GRAND ISLAND	8.96	.04	1.08	3.42	.67	1.35	.10	1.46	.15	.15	.00	.00	.54
29	A60357300	39.208	121.067	2400	GRASS VALLY NO2	37.40	.87	4.36	11.26	4.22	6.79	1.64	4.63	.64	.46	.00	.00	2.53
34	A00359034	38.680	121.368	131	GREENBACK & PARK OAKS	.00-	.22	.47	4.87	.72	1.62	.30	1.74	.11	.00-	.00-	.00-	1.14
32	A50362.00	40.140	120.940	3560	GREENVILLE RS	30.20	.33	3.39	9.45	2.41	5.82	1.74	4.43	1.40	.28	.00	.00	.95
04	A00364000	39.366	121.694	90	GRIDLEY BUTTE W O	12.06	.71	1.36	3.83	1.41	1.79	.33	1.16	.28	.46	.00	.00	.73
02	G80367500	38.695	119.824	5800	GROVER HOT SPRINGS	22.49	.41	5.50	6.74	1.25	.92	.22	2.71	.52	2.44	.00	.38	1.40
32	A50372500	40.268	121.086	4560	HAMILTON BRANCH PH	24.61	.13	2.19	6.44	2.28	3.88	2.15	2.88	1.43	.10	.05	.08	3.00
48	A00372948	38.158	121.806	150	HAMILTON RANCH	.00-	.00	.50	1.95	.91	1.28	.18	1.30	.20	.30	.00	.00-	.00-
45	A30379100	40.366	122.966	2710	HARRISON GULCH R S	26.89	.53	4.95	5.58	3.74	4.11	2.75	1.93	.86	.32	.00	.56	1.56
29	A60380000	39.239	121.266	580	H L ENGLEBRIGHT OAM	.00-	.34	2.59	8.68	1.91	3.48	.67	2.55	.49	.28	.00	.00	1.93
45	A10382100	40.800	121.500	3348	HAT CREEK RS	16.97	.39	2.00	2.77	2.15	3.12	.66	2.14	.85	.04	.00	.23	2.62
31	A70389100	39.058	120.414	4850	HELL HOLE	37.60E	1.00	7.90	9.80E	2.30	5.20	2.80	4.10	.50	.80	.00	.00	3.20
34	B00391900	38.296	121.242	70	HERALD FIRE STATION	.00-	.42	.92	5.15	.50	1.11	.30	1.35	.20	.00-	.00-	.00-	.57
29	A60394600	39.026	121.093	1480	HIDDEN VALLEY RANCH	24.51	1.09	2.86	8.37	2.11	3.77	1.05	2.68	.51	.30	.00	.00	1.77
17	A80401000	38.850	122.716	2960	HOBERGS	.00-	.29	4.49	11.06	2.27	2.78	1.39	5.14	.00-	.00	.00T	.00T	1.59
5	B20401800	38.150	120.819	554	HOGAN DAM	15.46	.20	2.64	7.09	1.56	1.63	.09	1.16	.10	.06	.00	.00	.93
39	B90404100	37.928	121.391	10	HOLT 2 ESE	5.83	.07	.55	2.65	.38	.66	.03	.62	.09	.10	.00	.00	.68
04	A00407500	39.327	121.526	113	HONCUT	13.43	.04	1.65	4.47	1.31	2.01	.13	1.76	.79	.51	.00	.00	.76
17	A80409700	39.016	123.000	2510	HOPLAND BNE	30.28	.73	4.34	7.52	4.97	4.97	2.90	2.81	.39	.17	.00	.00	1.48
52	A00416600	40.186	122.550	770	HUNTER OIST GRAVES	.00-	.00-	.00-	.00-	.00-	.00-	.00-	.00-	.00-	.00-	.00-	.00-	.00-
45	A30421900	40.501	122.569	1090	IGO 2W	28.30	.68	5.22	5.74	4.07	2.67	4.15	1.57	1.86	.79	.00T	.01	1.54
58	A60424850	39.437	120.173	2240	INDIAN ROCK	44.26	.51	6.81	12.60	5.15	7.58	2.46	5.62	.85	.26	.00	.00T	2.42
03	B00428300	38.348	120.938	284	IONE	18.50	.07	2.22	7.40	1.22	2.40	.45	2.58	.21	.00	.00	.00	1.95
31	A70428800	39.088	120.839	3056	IOWA HILL	42.77	1.80	6.16	11.77	5.05	6.44	3.18	4.92	.81	.62	.00	.06	1.96
3	B20432100	38.360	120.789	1550	JACKSON 1 NW	20.05	.32	3.47	6.48	1.30	2.80	.65	2.45	.20	.17	.00	.02	2.19
52	A00434600	40.329	122.203	355	JELLY	16.14	.00T	2.06	4.27	1.54	1.98	1.03	2.08	.91	.32	.00T	.00T	1.95
5	B00435200	38.075	120.911	235	JENNY LIND 3SW	11.48	.18	1.69	5.73	.99	1.14	.09	.84	.04	.13	.00	.00T	.65
25	A10437400	41.265	000.293	5290	JESS VALLEY	16.88	1.12	2.18	1.88	2.35	1.59	1.83	1.79	.79	1.03	.48	.37	1.47
06	A00439000	38.956	121.969	60	JOHNS SCHOOL	9.46	.15	.85	4.41	.95	1.26	.10	.50	.66	.23	.00	.00	.35
17	A80448800	38.975	122.831	1385	KELSEYVILLE	17.54	.50	2.08	6.89	1.84	2.20	.84	1.82	.37	.00	.00	.00T	1.00
39	B80450800	37.676	121.432	172	KERLINGER	3.65	.08	.24	1.49	.50	.38	.01	.24	.15	.07	.00	.00	.49
45	A40454400	41.010	121.871	2650	KILARC PH	39.13	.89	4.89	6.97	4.58	6.48	4.19	3.85	2.03	1.15	.00	.06	4.04
09	A70461600	38.795	120.145	5700	KYBURZ STRAWBERRY	.00-	.80	.00-	.00-	2.83	.00-	.00-	4.69	.67	1.30	.00	.03	1.97
17	A80470100	39.033	122.916	1343	LAKEPORT	20.23	.42	3.19	6.57	2.35	3.08	1.10	1.83	.65	.02	.00	.02	1.00
45	A20470900	40.883	122.383	1075	LAKESHORE	.00-	1.22	7.90	9.90	8.16	5.86	4.49	7.50	2.84	1.64	.00	.00-	.00-
57	A00471200	38.492	122.502	180	LAKE SOLANO	11.05	.10	1.34	5.22	1.49	1.27	.01	.82	.15	.13	.00	.00	.52
29	A60471300	39.318	120.637	5156	LAKE SPAULDING	58.64	1.33	8.02	15.73	6.33	10.41	4.20	7.91	1.07	.81	.00	.35	2.48
04	A50472200	39.763	121.521	2040	LAKE WILENOR	31.78	1.40	4.09	7.20	5.05	3.40	2.00	4.95	1.47	.81	.00	.06	1.35
57	A00473000	38.675	122.072	365	LAMB VALLEY	13.55	.00T	1.05	7.55	1.30	2.00	.00T	.67	.40	.15	.00	.00	.43
32	A50477300	39.682	120.982	4975	LA PORTE	67.74	.69	9.03	15.37	9.29	12.54	6.07	9.21	1.26	.72	.00	.05	3.51
18	G00481420	40.401	120.513	4100	LASSEN CONSRVATN CNTR	8.41	.00	.50	2.50	1.16	1.79	.11	.58	.67	.47	.20	.00	.43
06	A80488000	39.153	122.436	1330	LEESVILLE KEEGAN RANCH	13.56	1.18	.22	6.16	1.02	1.78	.24	1.53	.84	.22	.00	.00	.37
9	B10488600	38.591	121.011	600	LEHMAN RCH	20.12	.81	2.16	6.79	1.78	3.05	.56	2.34	.36	.23	.00	.00	2.04
25	A10494035	13.703	030.100	4400	LIKELY VANCE	9.79	.58	.95	1.02	.83	1.30	.52	1.40	.60	1.19	.20	.00T	1.20
31	A00494700	38.892	121.294	160	LINCOLN AUSTIN	16.83	.99	1.69	6.21	1.24	2.28	.54	1.85	.39	.17	.00	.00	1.47
31	A00494706	38.930	121.247	285	LINCOLN 4 NE	15.66	.45	1.65	5.97	.89	2.39	.46	1.86	.40	.18	.00	.00	1.41
39	B00496000	38.132	121.102	120	LINN RANCH	9.36	.27	.99	4.12	.59	.98	.12	1.15	.07	.15	.00	.00	.92
18	A10498800	40.891	121.174	4185	LITTLE VALLEY	15.80	1.00	2.16	2.83	1.06	2.52	.83	1.31	1.05	.34	.16	.00T	2.54
51	A00499004	39.253	121.644	75	LIVE OAK 2 SE	.00-	.32	1.56	4.20	.00-	.00-	.39	1.23	.97	.35	.00	.00	1.03
39	B00501000	38.162	121.148	106	LOCKEFORD	9.99	.27	1.10	4.20	.70	.96	.23	1.19	.10	.19	.00	.00	1.05
39	B00501200	38.147	121.066	190	LOCKEFORD 5 ESE	10.91	.31	1.16	4.92	.75	1.21	.21	1.33	.07	.07	.00	.00T	.88
39	B00503200	38.116	121.288	38	LODI	10.00	.33	1.17	3.97	.64	.92	.40	1.39	.14	.22	.00	.00	.82
58	A00506001	39.307	121.415	375	LOMA RICA	16.22	.61	1.71	6.04	1.08	2.25	.51	1.78	.55	.42	.00	.00T	1.27
00	A80508717	39.093	122.678	1318	LONG VALLEY GARNER RH	21.15	.38	2.87	7.12	2.83	2.83	1.05	2.36	.48	.00	.00T	.00T	1.23
25	A10509300	41.200	121.200	4180	LOOKOUT 3 WSW	.00-	.65	1.86	2.60	2.48	4.04	1.05	1.56	1.04	.10	.00	.00	.00-
25	A10509500	41.350	121.144	4500	LOOKOUT SHAW	16.09	.74	1.32	2.25	1.88	3.01	1.37	1.81	1.18	.12	.00	.03	2.38
31	A00509600	38.818	121.194	400	LOOMIS	17.26	.78	1.57	7.02	1.20	2.11	.54	2.43	.41	.14	.00	.00T	1.06
31	A00509701	38.800	121.200	400	LOOMIS NO2	16.40	.82	1.47	6.41	1.11	2.09	.53	2.37	.22	.29	.00	.00	1.09

TABLE A-1 (Cont.)

PRECIPITATION IN NORTHEASTERN CALIFORNIA DURING WATER YEAR 1972

CO	STA NO	LAT	LONG	ELEV	STATION NAME	TOTAL	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
31	A00509731	38.833	121.135	680	LOOMIS 3 ENE	20.69	1.00	1.98	7.75	1.29	2.86	.96	2.89	.48	.33	0.00	.00	1.15
52	A00513200	40.063	122.100	245	LOS MOLINOS 3 N	15.20	.30	2.06	3.81	1.48	1.30	.86	1.34	1.28	.30	.00T	.00T	2.47
52	A00513400	40.100	122.100	255	LOS MOLINOS 6 N	15.18	.27	1.83	3.64	1.55	1.19	.95	1.23	1.17	.33	.00T	.33	2.69
17	A80516101	38.913	122.608	1355	LOWER LAKE	17.67	.14	2.07	7.86	1.41	2.12	.41	1.85	.49	.11	.00T	.00	1.21
46	A50517100	39.677	120.243	4936	LOYALTON	11.82	.35	1.92	3.27	.04	.82	.57	1.20	1.57	.27	.02	.20	1.59
46	A50517105	39.676	120.247	4940	LOYALTON NO. 2	15.23	.45	2.33	3.60	1.00	1.10	.78	1.45	2.05	.22	.02	.27	1.96
04	A00522300	39.708	121.896	145	M AND T RANCH	10.62	.21	1.40	2.89	1.38	1.69	.66	1.02	.48	.37	.00	.00	.52
18	G20523100	41.055	120.471	5231	MADELINE RMS	.00-	.00-	.00-	.00-	.00-	.00-	.16	.72	.00-	.86	.04	.26	1.71
17	A80525800	38.850	122.783	2380	MAHNKE	30.96E	.39	3.85	10.76	3.11	4.14E	1.38	5.09	.35	.07	.00	.02	1.80
52	A40529902	40.436	121.766	3250	MANTON 6 E	32.63	.55	3.17	6.93	2.44	5.18	4.53	4.02	1.34	.97	.00T	.03	3.47
39	B00530300	37.800	121.200	40	MANTECA	6.27	.25	.59	2.98	.40	.53	.08	.49	.08	.09	.00	.00	.78
45	A50531100	40.533	121.566	5850	MANZANITA LAKE	29.35	1.30	3.71	4.06	3.08	5.26	2.53	3.11	1.78	.65	.00	.05	3.82
51	A00531110	39.334	121.682	87	MANZANITA FS	12.48	.28	1.66	4.15	1.55	1.77	.05	1.37	.63	.44	.00	.00	.58
02	G80535600	38.692	119.782	5546	MARKLEEVILLE	17.83	.39	4.06	6.36	.87	1.02	.20	2.03	.66	.93	.00	.49	.82
28	A90536000	38.500	122.116	480	MARKLEY COVE	16.77	.13	1.54	8.65	1.83	1.98	.23	1.52	.23	.14	.00	.00	.52
58	A00538500	39.146	121.584	60	MARYSVILLE	13.81	.24	1.53	4.83	1.25	2.02	.50	1.29	.62	.42	.00	.00	1.11
34	A00540300	38.566	121.300	90	MATHER A F B	13.19	.66	.93	5.09	.62	1.57	.78	2.36	.22	.17	.00	.00	.79
06	A00540901	39.276	122.186	91	MAXWELL	6.93	.40	.94	2.92	.69	.86	.09	.38	.47	.00	.00	.00T	.18
34	A00544700	38.660	121.391	70	MC CLELLAN AFB	11.28	.33	.76	5.21	.57	1.10	.24	1.47	.23	.18	.00	.00	1.19
47	A20544900	41.266	122.133	3300	MC CLOUD	36.22	1.66	4.68	8.26	5.51	4.56	3.33	4.14	1.60	1.18	.00T	.13	1.17
31	A70558600	39.044	120.740	3650	MICHIGAN BLUFF	35.51	1.14	5.97	9.69	2.65	5.62	2.77	4.15	.47	.56	.00	.00	2.49
17	A90559800	38.748	122.617	1122	MIDDLETOWN	29.37	.14	3.56	11.75	2.57	5.16	1.31	3.71	.35	.09	.00T	.01	.72
18	G60562100	40.174	120.363	4140	MILFORD	10.12	.17	.97	4.38	.52	1.34	.20	.84	.80	.30	.09	.00	.51
18	G60562300	40.133	120.350	4860	MILFORD LAUFMAN R S	12.56	.45	1.07	4.88	1.11	1.36	.31	1.01	1.00	.14	.17	.20	.86
52	A40567900	40.350	121.600	4910	MINERAL	38.32	.52	4.42	8.60	4.84	6.21	4.60	3.42	1.58	.78	.00	.48	2.87
32	A50575200	39.786	120.632	4370	MOHAWK R S	23.66	.36	2.63	6.78	3.38	3.36	.68	3.60	1.31	.08	.00	.09	1.39
5	B20576305	38.295	120.615	1920	MOKELUMNE HILL 5E	26.33	.36	4.23	10.46	2.29	3.55	.58	3.05	.15	.12	.00T	.04	1.50
52	A30581000	40.084	122.576	870	MONTGOMERY PLACE	14.99	.07	2.59	4.55	1.29	1.16	.66	1.22	.70	.38	.00	.01	2.36
17	A80585801	38.886	122.475	2415	MORGAN VALLEY STANLEY	18.84	.43	2.10	7.10	1.65	2.76	.67	2.34	.60	.19	.00T	.02	.98
60	B90588400	37.750	121.583	200	MOUNTAIN HOUSE	4.70	.00	.34	2.09	.52	.76	.03	.28	.00	.00T	.00	.00	.68
5	B20589205	38.240	120.567	2200	MOUNTAIN RANCH 2 NW	24.92	.27	4.93	10.15	2.17	3.07	.76	2.72	.17	.17	.00	.03	.48
09	A70590900	38.743	120.666	3408	MOUNT DANAHER	.00-	.49	3.45	10.73	1.75	5.60	1.49	.00-	.00-	.00-	.00-	.00-	.00-
47	A20598300	41.316	122.316	3544	MOUNT SHASTA CITY	23.28	1.41	4.28	4.84	2.44	2.14	2.41	2.62	1.52	.89	.00T	.32	.41
5	B20603903	38.165	120.469	1880	MURPHYS 2 N	23.45	.49	4.29	9.87	2.10	2.76	.60	2.80	.16	.07	.00	.00	.31
34	A00609200	38.685	121.623	17	NATOMAS F S 2	.00-	.38	.63	4.14	.92	1.15	.18	1.12	.25	.00-	.00-	.00-	.56
04	A00613000	39.550	121.783	120	NELSON WESTERN CAMP	9.97	.18	1.23	2.86	1.48	1.45	.46	1.03	.57	.33	.00	.00	.38
29	A60613600	39.258	121.010	2520	NEVADA CITY	39.21	.88	4.92	10.94	4.60	7.33	1.64	5.48	.64	.20	.00	.00	2.58
29	A60613629	39.248	121.028	2710	NEVADA CITY R S	37.23	.67	4.60	9.52	4.00	7.22	1.95	5.26	.62	.42	.00	.00	2.97
31	A00615400	38.891	121.219	250	NEWCASTLE FOWLER	16.56	.55	1.57	6.65	1.40	2.17	.41	2.02	.42	.23	.00	.00	1.14
51	A00615760	39.061	121.588	50	NEW ENGLAND ORCHARD	11.97	.21	1.48	4.37	1.09	1.58	.36	1.01	.21	.37	.00	.10	1.19
31	A00619400	38.924	121.543	43	NICOLAUS 2	11.87	.27	1.16	4.69	.97	1.50	.30	1.14	.58	.34	.00	.00	.92
04	A00621600	39.805	121.906	180	NORD	10.63	.21	1.39	2.95	.77	1.60	.82	1.24	.71	.43	.00	.00	.51
19	A60623200	39.367	120.898	3280	NORTH BLUMFIELD	43.90E	.80	5.40E	12.30	4.90	6.90	3.10	5.70	.90	1.30	.00	.00	2.60
34	A00627100	38.646	121.474	26	NORTH SACRAMENTO	12.78	.38	1.20	5.15	.98	1.05	.65	1.56	.36	.26	.00	.00	1.19
29	A60627400	39.370	121.101	2081	NORTH SAN JUAN	34.67	.86	4.96	10.84	2.79	6.55	1.69	3.42	.61	.42	.00	.00T	2.53
58	A60627500	39.419	121.064	1815	NORTH SAN JUAN 4NE	.00-	.83	5.13	11.36	5.96	7.23	2.03	4.85	.79	.00-	.00	.00	2.49
45	A10641500	40.674	121.431	4380	OLD STATION	20.01	.56	2.30	3.26	2.45	3.45	2.03	1.78	1.32	.36	.00	.04	2.46
45	A30645500	40.483	122.616	980	ONO	.00-	.29	5.85	.00-	.00-	.00-	.00-	.00-	.00-	.00-	.00-	.00-	.00-
11	A00650500	39.616	122.328	312	ORLAND FRENCH RANCH	7.89	.22	1.15	3.06	.98	.67	.10	.47	.55	.15	.00T	.00	.54
11	A00650600	39.750	122.200	254	ORLAND	8.79	.25	1.30	2.69	1.25	.91	.44	.83	.81	.00	.00	.00	.61
04	A00652100	39.506	121.558	171	OROVILLE	14.23	.17	1.93	4.96	1.59	1.85	.64	1.49	.65	.42	.00	.00	.53
04	A00652500	39.507	121.567	165	OROVILLE BRIDGE	14.06	.20	1.92	4.89	1.54	1.87	.64	1.52	.58	.41	.00	.00	.49
04	A50652700	39.527	121.479	845	OROVILLE DAM	18.40	.42	2.36	6.35	1.69	2.55	.90	2.34	.74	.39	.00	.00	.66
04	A00652800	39.525	121.567	300	OROVILLE R S	13.60	.20	1.90	4.90	1.50	1.90	.70	1.50	.60	.00	.00	.00	.40
09	A70659700	38.750	120.500	3440	PACIFIC HOUSE	42.00	.98	7.22	13.48	3.04	5.37	2.63	5.66	.60	.47	.00	.00T	2.55
04	A00662000	39.435	121.548	156	PALERMO	.00-	.10	2.10	4.72	.44	2.19	.00-	.00-	.00-	.00-	.00-	.00-	.00-
45	A40664705	40.593	122.231	500	PALO CEDRO 2N	27.14	.12	6.39	5.19	2.74	2.76	2.83	2.64	2.26	.77	.00	.21	1.23
04	A40668500	39.766	121.633	1780	PARADISE	29.70	.19	4.18	7.26	5.09	2.93	2.30	4.22	1.27	.98	.00	.03	1.25
04	A50669704	39.677	121.563	950	PARISH CAMP	19.63	.20	2.49	6.20	2.31	2.38	1.10	2.22	1.08	.57	.00	.01	1.07
52	A00672600	39.883	122.533	755	PASKENTA R S	11.36	.02	2.04	3.67	1.23	1.08	.39	.53	.80	.32	.00T	.00	1.28
52	A40676100	40.333	121.900	1850	PAYNES CREEK	.00-	.00-	.00-	.00-	.00-	.00-	.00-	.00-	.00-	.00-	.00-	.00-	.00-
34	A00685434	38.655	121.217	270	PHOENIX FIELD	.00-	.60	1.44	5.75	.64	1.85	.46	2.10	.41	.00-	.00-	.00	1.17
45	A10694600	40.983	121.983	1458	PIT RIVER PH NC 5	55.34	1.04	7.21	9.48	8.78	8.89	5.47	8.52	2.21	1.26	.00T	.22	2.26
07	B80694900	38.023	121.855	14	PITTSBURG DOW CHEMICAL	.00-	.01	.00-	2.21	.00-	.88	.02	.30	.00	.00-	.00	.00	.43
09	A70696000	38.729	120.797	1890	PLACERVILLE	28.17	.95	4.16	8.64	2.52	4.29	1.32	3.17	.33	.43	.00	.00	2.36
09	A70696200	38.739	120.741	2755	PLACERVILLE IFG	31.62	.92	4.61	8.38	3.06	5.10	1.76	3.88	.40	.49	.00	.00	3.02
09	A70696400	38.732	120.845	1546	PLACERVILLE DISP PLT	24.50	.80	3.20	8.70	1.90	3.40	.90	2.90	.40	.40	.00	.00	1.90
57	A00696605	38.618	121.816	68	PLAINFIELD 2NNW	.00-	.18	.95	3.59	1.10	1.57	.00	.90	.30	.00	.00	.00-	.00-
57	A00696800	38.598	121.806	65	PLAINFIELD 1 NNW	9.05	.15	.59	3.87	.92	1.40	.09	.93	.23	.24	.00	.00	.63
45	A30697500	40.366	122.883	2260	PLATINA	.00-	.20	.00-	2.89	1.04	3.43	2.37	.98	1.10	.00	.00	.37	1.28
45	A30697635	40.362	122.888	2300	PLATINA BURCH	23.24	.56	4.62	5.10	2.87	3.65	2.24	1.22	1.03	.22	.01	.41	1.31
48	A90697700	38.467	122.043	250	PLEASANTS VALLEY	15.40	.08	1.60	7.10	2.29	1.80	.11	1.47	.23	.08	.00	.00	.64
32	A50698600	39.756	120.697	5165	PLUMAS EUREKA PARK	.00-	.80	6.60	10.00	.00-	7.10	3.40	8.70	1.70	1.00	.00	.00	1.00
3	B10700003	38.517	120.932	445	PLYMOUTH 6 WNW	17.94	.41	1.92	6.81	1.24	2.60	.58	2.46	.21	.21	.00	.00	1.50
28	A90705800	38.615	122.389	610	POPE VALLEY 2 E	18.89	.18	2.06	7.10	2.14	3.73	.42	2.31	.11	.24	.00	.00	.60
32	A50708500	39.804	120.471	4838	PORTOLA	.00-	.10	1.05	.00-	1.59	.69	.54	2.15	1.55	.56	.00	.30	1.30
3	B20713600	38.363	120.936	350	PRESTON SCHOOL	16.86	.10	2.05	6.26	.88	2.42	.27	2.22	.73	.11	.00	.00	1.82
32	A50719500	39.938	120.940	3409	QUINCY R S	.00-	.17	3.18	10.08	3.16	4.72	1.24	4.33	1.16	.42	.00	.00-	.00-
5	B20722121	38.305	120.543	2540	RAILROAD FLAT	29.99	.43	5.84	11.40	2.53	3.77	.94	3.26	.23	.18	.00	.03	1.38
5	B20722122	00.000	000.000	2720	RAILROAD FLAT ADR	.00-	.90	5.70	10.50	2.20	3.50	.70	2.80	.20	.00-	.00-	.00-	.00-
34	A00724700	38.591	121.308	85	RANCHO CORDOVA	13.27	.56	1.29	5.31	.78	1.36	.70	1.89	.33	.15	.00	.00	.90
34	A00724702	38.593	121.294	93	RANCHO CORDOVA FS	.00-	.54	1.24	4.97	.63	1.51	.70	1.72	.33	.00-	.00-	.00-	.72
18	G20726100	40.874	120.100	5540	RAVENDALE JIM MARR	7.49	.42	.67	1.99	.51	1.00	.23	.35	.65	.98	.04	.00	.65
18	G20726104	40.783	120.274	5350	RAVENDALE 5 ESE	5.03	.18	.45	1.63	.21	.63	.13	.20	.70	.36	.11	.00	.43
52	A00729106	40.176	122.419	595	RED BLUFF OWENS RCH	13.71	.15	2.23	4.56	1.05	1.10	.52	.96	.90	.44	.00	.00T	1.80
52	A00729112	40.056	122.255	333	RED BLUFF RS	11.18	.30	1.79	3.28	1.27	.78	.32	.89	.82	.20	.00	.00	1.53
52	A00729200	40.150	122.250	341	RED BLUFF WB AP	11.35	.08	1.77	3.26	1.44	.93	.58	.58	.90	.26	.00T	.01	1.54
45	A00729600	40.583	122.400	577	REDDING FIRE STN NO2	.00-	.47	5.27	4.43	4.49	2.98	3.32	1.63	1.41	1.51	.00T	.00	1.36
34	A70737000	38.693	121.160	295	REPRESA	15.73	.60	1.46	5.75	.69	2.23	.44	2.52	.43	.19	.00	.00	1.42
04	A00742204	39.494	121.746	103	RICHVALE	11.20	.30	1.25	3.43	1.49	1.66	.44	1.26	.57	.35	.00	.00	.45

TABLE A-1 (Cont.)

PRECIPITATION IN NORTHEASTERN CALIFORNIA DURING WATER YEAR 1972

CO	STA NO	LAT	LONG	ELEV	STATION NAME	TOTAL	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
48	B0n744600	38.148	121.693	40	RIO VISTA	.00-	.05	.75	4.92	.77	1.11	.00T	1.00	.00-	.28	.00	.00	.49
48	A00744604	38.156	121.776	145	RIO VISTA SW	8.08	.00	1.00	3.30	.82	1.30	.25	1.31	.00	.00	.00	.00	.10
3	B10746400	38.546	120.744	2015	RIVER PINES	24.43	.48	4.24	8.18	1.38	3.76	.82	3.20	.25	.23	.00	.04	1.65
09	47n748900	38.904	120.359	5175	ROBBS PEAK	44.00	1.30	7.40	10.40	3.80	6.50	3.20	6.10	.60	.40	.00	.20	4.10
31	A00751600	38.793	121.241	239	ROCKLIN	15.08	.59	1.26	5.84	1.01	1.98	.36	2.30	.40	.18	.00	.00	1.16
45	A20758100	40.800	121.933	2100	ROUND MOUNTAIN PG AND	.00-	1.02	6.90	9.04	.79	10.66	5.52	5.73	1.97	1.21	.00	.06	.00-
04	A6n760805	38.488	121.336	2400	RUSSELL RANCH	.00-	.92	4.05	.00-	1.80	2.74	1.57	2.66	1.38	.36	.00	.00	1.00
34	A00763000	38.516	121.500	17	SACRAMENTO WB AP	10.19	.13	.87	4.05	.81	1.28	.29	1.39	.28	.19	.00	.00	.90
34	A00763300	38.583	121.483	25	SACRAMENTO WB CITY	11.33	.27	.88	4.84	1.07	1.15	.37	1.27	.34	.15	.00	.00	.99
34	B00763334	38.553	121.133	190	SAC COUNTY BOYS RANCH	.00-	.54	1.21	5.86	.64	1.76	.19	2.09	.20	.00-	.00-	.00-	1.29
34	A00763353	38.553	121.443	30	SACRAMENTO HUFFMAN	.00-	.39	1.28	5.39	.36	2.11	.28	.00-	.00-	.00-	.00-	.00-	.00-
29	G7n764100	39.431	120.240	6337	SAGEHEN CREEK	28.82	.69	4.01	9.08	2.74	3.33	.66	3.36	1.20	.54	.01	1.24	1.96
28	A9n764900	38.565	122.381	870	SAINT HELENA 7 NE	.00-	.22	2.30	6.90	2.54	3.20	.69	.00-	.00-	.00-	.00-	.00-	.00-
3	B2n768900	38.497	120.216	3700	SALT SPRINGS PH	36.27	.80	7.19	12.20	2.57	3.88	1.75	4.73	.61	.51	.00	.55	1.48
5	B2n770100	38.192	120.681	1120	SAN ANDREAS	19.14	.20	3.03	7.99	2.04	2.66	.29	2.00	.12	.06	.00	.00T	.75
5	B2n770200	38.163	120.671	830	SAN ANDREAS 2 S	18.00	.11	3.14	7.81	2.03	2.44	.13	1.79	.00	.00	.00	.00	.55
5	B2n770500	38.192	120.669	1100	SAN ANDREAS R S	18.88	.23	2.93	8.01	2.18	2.55	.23	1.91	.12	.03	.00	.00T	.69
46	A6n802900	39.600	120.983	4300	SCALES	63.70	.74	8.58	15.63	8.62	10.97	5.45	8.04	1.44	.60	.00	.00T	3.63
18	G4n807400	40.523	120.266	4435	SECRET VALLEY	3.50	.00	.10	1.73	.13	.13	.00T	.00T	.79	.31	.00	.00	.31
29	A60811229	39.329	121.106	2010	SHADY CREEK	42.84	.67	4.71	14.17	6.13	7.35	1.44	4.36	.70	.42	.00	.00T	2.89
45	A2n813500	40.716	122.416	1076	SHASTA DAM	42.27	.79	7.63	7.02	6.86	3.65	5.36	5.32	2.58	1.56	.00	.08	1.42
05	B2n814500	38.209	120.463	2350	SHEEP RANCH	14.40	.80	2.40	3.20	2.00	2.30	.60	2.50	.20	.00	.00	.00	.40
9	B1n817300	38.668	120.911	1375	SHINGLE SPRINGS	24.93	.79	2.71	8.52	2.16	4.07	.76	3.05	.34	.34	.00	.00	2.19
45	A4n817500	40.494	121.846	3540	SHINGLETOWN 2 E	39.36	.81	4.26	7.38	4.69	5.91	4.87	4.04	2.61	.84	.00	.53	3.42
46	A6n820700	39.564	120.639	4150	SIERRA CITY	51.73	.66	5.89	12.26	6.18	9.11	3.37	8.45	1.37	.98	.00	.12	3.34
46	A5n821800	39.583	120.368	4975	SIERRAVILLE RS	19.30	.38	2.80	5.54	1.80	1.84	1.02	2.17	1.44	.31	.07	.19	1.74
34	B0n829301	38.483	121.206	123	SLOUGHHOUSE 1SW	.00-	.75	1.48	6.68	.78	1.81	.28	2.37	.37	.16	.00-	.00-	.00-
58	A0n830000	39.202	121.287	800	SMARTSVILLE	22.60	.47	2.46	8.35	1.83	3.59	.81	2.65	.55	.30	.00	.00	1.59
29	A6n833200	39.325	120.366	6885	SODA SPRINGS 1 E	52.10	1.51	6.98	13.09	5.10	8.80	3.97	6.33	.97	1.16	.00	.08	4.11
9	B1n834409	38.620	120.598	3160	SOMERSET 5 ESE F&P	31.10	.70	6.60	9.40	1.80	4.20	1.50	4.00	.40	.30	.00	.00	2.20
9	B1n834409	38.620	120.598	3160	SOMERSET 5 ESE	29.88	.78	5.85	9.12	1.77	3.70	1.98	3.91	.41	.34	.00	.00T	2.02
26	G9n835500	38.351	119.448	6886	SONORA JUNCTION	10.47	.15	2.21	3.66	.37	.32	.10	1.74	.30	.58	.13	.00	.91
31	G7n847400	39.196	120.236	6235	SQUAW VALLEY	46.66	1.88	6.14	12.01	4.51	6.66	3.29	5.96	.62	1.55	.00	.70	3.34
18	G4n848700	40.366	120.400	4030	STANDISH 1E	5.63	.04	.23	2.55	.17	.67	.12	.33	.77	.10	.02	.05	.58
04	A5n854400	39.904	121.527	3518	STIRLING CITY R S	52.10	.50	6.70	11.60	8.70	7.90	4.40	7.60	2.00	1.10	.00	.30	1.30
39	B9n855400	37.935	121.327	11	STOCKTON DISPOSAL PLT	6.22E	.17	.82	2.90	.40	.55	.04	.46	.08	.10E	.00	.00	.70
39	B00855800	37.900	121.250	22	STOCKTON WRAP	7.86	.28	.81	3.82	.69	.70	.07	.57	.11	.15	.00	.00	.66
39	B00856000	38.000	121.316	12	STOCKTON FIRE STATION	7.26	.30	.74	3.29	.28	.68	.03	.86	.09	.17	.00	.00	.82
06	A3n857800	39.255	122.658	3020	STONYFORD COOLEY RCH	.00-	.56	4.92	9.95	4.97	7.32	1.88	5.37	1.37	.11	.00-	.19	1.73
06	A3n858000	39.383	122.546	1168	STONYFORD R S	11.41	.18	1.62	4.40	1.24	1.92	.03	1.12	.65	.04	.00	.00	.21
11	A3n858700	39.583	122.533	770	STONY GORGE RES	11.00	.31	1.72	4.43	.97	1.20	.10	.69	1.11	.13	.01	.00	.33
58	A6n860600	39.563	121.108	3808	STRAWBERRY VALLEY	.00-	.70	7.65	15.75	8.46	9.32	4.24	7.27	1.37	.44	.00T	.00	2.46
18	G7n870200	40.383	120.550	4148	SUSANVILLE AP	11.95	.12	.61	5.46	1.34	1.17	.55	.74	.68	.24	.40	.00	.64
18	G4n870300	40.433	120.666	4555	SUSANVILLE 1WNW	12.47	.10	.91	5.90	1.11	1.43	.27	.78	.82	.21	.05	.00	.89
3	B2n871300	38.377	120.900	1586	SUTTER HILL RS	22.73	.29	4.01	7.18	1.94	3.05	.55	3.23	.18	.22	.00	.00T	2.08
31	G7n875800	39.166	120.140	6230	TAHOE CITY	24.97	.75	3.71	6.89	2.88	3.13	1.19	3.05	.50	1.36	.02	.17	1.32
18	G2n887300	40.866	120.450	5300	TERMO	7.37	.24	.74	1.86	.42	1.12	.18	.30	1.16	.69	.00	.00T	.66
04	A00889404	39.508	121.683	141	THERMALITO AFTERBAY	13.24	.20	1.48	4.03	1.55	1.77	.64	1.33	.82	.77	.00	.00	.65
3	B2n892800	38.449	120.491	2355	TIGER CREEK PH	36.15	.56	7.19	12.93	2.96	3.74	1.38	4.43	.27	.11	.00	.02	2.56
51	A00893301	39.028	121.779	30	TISDALE BYPASS	9.62	.22	1.08	3.77	.87	1.41	.23	.76	.50	.22	.00	.00	.56
34	A00898434	38.606	121.405	50	TOWN AND CNTRY MITCHL	12.20	.36	1.00	5.10	.81	1.58	.30	1.60	.34	.12	.00	.00	.99
39	B9n899500	37.737	121.424	53	TRACY FIRE STATION	.00-	.10	.38	.00-	.37	.43	.02	.32	.05	.09	.00	.00	.00-
39	B9n899700	37.708	121.410	108	TRACY 2SSE	4.10	.10	.48	1.58	.41	.39	.00	.33	.17	.09	.00	.00	.55
39	B9n899900	37.695	121.413	137	TRACY CARBONA	4.22	.15	.34	1.68	.51	.44	.00T	.26	.19	.10	.00	.00	.55
29	G7n904300	39.329	120.188	5995	TRUCKEE R S	25.59	1.05	3.28	7.76	2.51	3.25	1.24	2.79	.83	.54	.00	.10	2.24
32	A5n909500	40.019	121.070	2840	TWAIN	.00-	.09	2.66	7.29	2.84	5.05	.82	3.83	.35	.00-	.00-	.00-	.00-
02	A7n910500	38.706	120.040	7829	TWIN LAKES	.00-	1.24	8.44	13.46	3.40	2.93	2.11	5.02	.47	1.29	.00-	.00-	2.73
17	A8n916700	39.183	123.033	1520	UPPER LAKE 7 W	30.10	.65	5.09	8.50	3.46	5.10	2.32	2.65	.91	.12	.00T	.15	1.15
48	A00920000	38.360	121.949	104	VACAVILLE	.00-	.10	1.29	4.29	1.47	1.57	.02	1.21	.09	.11	.00	.00-	.74
5	B2n923500	38.192	120.830	695	VALLEY SPRINGS	.00-	.28	2.80	6.78	1.63	1.55	.19	1.19	.09	.07	.00	.00-	.00-
5	B00923700	38.132	120.902	360	VALLEY SPRINGS 6SW	13.48	.13	2.32	6.01	1.14	1.41	.22	1.17	.08	.13	.00	.00	.87
51	A00930700	38.790	121.595	43	VERONA	10.69	.63	.89	4.21	.80	1.34	.25	1.14	.24	.32	.00	.00	.87
52	A00934200	39.938	122.061	202	VINA MONASTERY	12.39	.40	1.46	3.21	1.82	1.37	.68	1.35	1.34	.27	.00	.00T	.49
32	A5n935100	39.818	120.188	4945	VINTON	10.14	.07	1.19	2.68	.67	.80	.28	.87	1.70	.13	.00T	.51	1.24
45	A2n938600	40.950	122.433	1360	VOLLMERS	47.57	1.41	7.21	10.60	7.56	6.16	3.94	5.28	2.10	1.58	.01	.31	1.41
45	A4n939000	40.450	121.866	2200	VOLTA PH	25.73	.52	2.68	5.15	2.77	3.68	3.09	3.13	1.75	.42	.00	.36	2.18
5	B00941800	38.181	120.962	214	WALLACE 1 SE	.00-	.00-	.00-	1.85	6.04	.96	.00-	.00-	.00T	.12	.00-	.00T	.87
34	B9n942800	38.237	121.516	20	WALNUT GROVE	.00-	.15	.57	3.07	.56	1.18	.14	1.72	.21	.00-	.00-	.00-	.39
29	A6n945500	39.357	120.798	2680	WASHINGTON	.00-	.83	6.39	12.16	4.84	7.48	3.28	6.83	.91	.93	.00	.00-	.00-
31	A6n950300	39.043	120.996	1980	WEIMAR 1W	32.67	1.06	4.21	10.85	3.46	4.96	1.71	3.92	.69	.40	.00	.00	1.41
18	G7n952600	40.266	120.073	4035	WENDEL 10 SE	.00-	.00-	.00-	2.40	.51	.50	.00	.00	.40	.35	.00	.00	.35
18	G4n952601	40.350	120.208	4040	WENDEL 1 E	5.27	.09	.22	2.39	.16	.64	.04	.56	.60	.02	.01	.12	.42
57	A00953000	38.576	121.536	15	WEST ACRES	.00-	.12	.75	4.11	.84	1.34	.40	.00-	.00-	.00-	.00-	.00-	.00-
5	B2n958300	38.379	120.570	2365	WEST POINT 3 SW	27.87	.56	5.82	10.20	1.77	3.29	.81	2.93	.20	.07	.00T	.00T	2.22
58	A00960500	39.027	121.389	105	WHEATLAND 2 NE	14.23	.40	1.28	5.60	.88	2.10	.46	1.71	.36	.30	.00	.00	1.14
45	A3n962100	40.616	122.533	1310	WHISKEYTOWN RESERVOIR	36.59	.94	6.29	7.35	5.47	3.89	5.14	3.60	1.72	1.02	.00T	.07	1.10
06	A00967700	39.150	122.150	90	WILLIAMS	7.14	.39	.92	3.55	.66	.36	.04	.38	.41	.11	.00	.00	.32
18	G4n969031	40.566	120.666	4930	WILLOW CR MURRER RCH	10.31	.07	1.15	3.51	.55	1.84	.69	.84	.97	.08	.00	.00	.61
25	A1n969600	41.902	120.355	4750	WILLOW RANCH	7.58	.83	1.04	1.14	1.70	.58	.44	.52	.23	.15	.00	.15	.80
11	A00969900	39.533	122.200	140	WILLOWS	7.45	.30	.73	2.79	.84	.91	.14	.83	.44	.12	.00	.00	.35
11	A00970000	39.533	122.200	135	WILLOWS USBR	.00-	.21	.95	2.94	.00-	.00-	.00-	.00-	.00-	.00-	.00-	.00-	.00-
57	A00974200	38.522	121.968	135	WINTERS	11.38	.09	1.36	5.37	1.42	1.37	.01	.79	.23	.20	.00	.00	.54
57	A00974204	38.598	122.043	320	WINTERS SCOTT RANCH	.00-	.05	1.55	7.48	1.73	2.05	.09	1.06	.44	.13	.00-	.00-	.00-
48	A00974205	38.468	121.958	140	WINTERS UDELL RCH	12.19	.11	1.60	5.34	1.55	1.46	.06	1.02	.18	.18	.00	.00	.69
57	A00974212	38.540	121.924	116	WINTERS 3NE	.00-	.10	1.22	4.70	1.28	1.42	.05	.87	.23	.19	.00-	.00-	.00-
48	A00974500	38.500	121.968	137	WINTERS WOLFSKILL RCH	11.72	.02	1.49	5.22	1.47	1.91	.00T	.84	.22	.00	.00	.00	.55
29	A6n976400	39.129	121.100	2631	WOLF MOUNTAIN	14.26	1.28	4.71	9.11	2.70	6.10	1.70	3.80	.76	.48	.00-	.00-	.00-
02	G8n977500	38.776	119.824	5671	WOODFORDS	17.75	.57	3.86	5.16	1.17	.80	.18	1.92	.59	1.65	.00	.37	1.48
57	A00978100	38.683	121.793	69	WOODLAND 1 WNW	.00-	.24	1.10	5.35	1.00	1.71	.09	1.03	.35	.34	.00	.00-	.73
57	A00978300	38.682	121.833	95	WOODLAND 3 W	10.69	.25	1.05	4.64	1.03	1.63	.07	.79	.30	.22	.00	.00	.71
04	A5n978602	39.527	121.178	3340	WOODLEAF OROLEVE	47.73	.56	6.77	13.16	7.22	7.53	2.86	6.06	1.19	.36	.00	.00	2.02
57	A00983700	38.733	121.804	75	YOLO	10.76	.18	.87	4.72	1.25	1.59	.10	.81	.32	.26	.00	.00T	.66
51	A00987100	39.129	121.605	60	YUBA CITY	11.81	.18	1.21	3.99	1.13	1.89	.40	1.12	.39	.36	.00	.00	1.14
51	A00987106	39.086	121.605	50	YUBA CITY 4S	13.15	.24	1.64	4.61	1.23	1.87	.37	1.29	.29	.43	.00	.00	1.18

TABLE A-2

INDEX OF STORAGE GAGE PRECIPITATION STATIONS

This table lists and shows location and other information for the storage gages for which the seasonal accumulation of precipitation is reported in the following table. These gages are located in the remote mountain regions where no observers are available to operate conventional rain gages. Storage precipitation gages are tanks with capacity for storing an entire year's rainfall along with antifreeze to melt frozen precipitation and oil to prevent evaporation losses. Once each year, in the summer or early fall, the precipitation that has accumulated since the last measurement is measured and then emptied out. With the addition of the proper amount of oil and antifreeze, the gage is ready to receive the next season's amount. Although logistics preclude conducting the measurement operation exactly at the end of the water year and exactly one year following the previous measurement, the gages fairly accurately depict the total precipitation for the water year because usually a very small amount of precipitation occurs in the summer months.

An explanation of the column headings and the code symbols used in connection with the storage gage station listing follows:

Station Number - Each station in these tables has been assigned an identification number as explained in the Introduction to this appendix.

40-Acre Tract - This denotes the location of the station within the section. The letter code is derived from the diagram to the right.

D	C	B	A
E	F	G	H
M	L	K	J
N	P	Q	R

Base and Meridian - The code for this column is as follows:

M - Mount Diablo Base and Meridian

Cooperator Number - This number is assigned from the following list:

000	Private Cooperators
419	Tehama County Flood Control and Water Conservation District
814	California Department of Water Resources, Snow Surveys
900	National Weather Service
903	U. S. Corps of Engineers
905	U. S. Forest Service
911	Military Weather Stations in California

County - This is a standard code for California counties and is explained in the Introduction to Table A-1.

TABLE A-2 (Cont.)

INDEX OF STORAGE GAGE PRECIPITATION STATIONS

NORTHEASTERN CALIFORNIA

Station Number	Station Name	Elevation (In Feet)	Section	Township	Range	40-Acre Tract	Base & Meridian	Latitude	Longitude	Cooperator Number	Cooperator's Index Number	Record Began	Record Ended	Years Missing	County Code
								O I II	O I II						
A3 0093	ALDER SPRINGS	4400	SEC 24	T21N	R08W	G	M	39 39 39	122 42 26	903		1966			11
A3 0468	BALL MOUNTAIN LOOKOUT	6500	SEC 17	T24N	R08W		M	39 56 00	122 47 00	900		1948			52
A1 0867	BLACKS MOUNTAIN	7200	SEC 33	T34N	R07E		M	40 46 00	121 12 00	900		1941		05	18
A5 1002	BOULDER CREEK GUARD STATION	5020	SEC 15	T27N	R12E	G	M	40 11 52	120 36 45	905		1964			32
G7 1096	BROCKWAY SUMMIT	7200	SEC 03	T16N	R17E	K	M	39 16	120 04	903		1961			29
A7 1133	BRUSHY SPRINGS GUARD STATION	4880	SEC 06	T13N	R13E	M	M	39 00 20	120 34 40	000		1951			31
A1 1238	BUTTE LAKE	6060	SEC 10	T31N	R06E	F	M	40 33 48	121 18 06	900	041237	1960			18
A5 1348	CAMEL PEAK	5560	SEC 32	T22N	R08E	H	M	39 43 26	121 05 58	000		1967			32
G3 1644	CHAMPS FLAT	5590	SEC 27	T33N	R09E	M	M	40 41 42	120 57 30	000		1959			18
A5 1783	CLARKS PEAK 1 NE	5910	SEC 10	T27N	R13E	H	M	40 12 50	120 29 34	000		1958			32
A5 1845-32	CLOVER VALLEY	5500	SEC 07	T24N	R14E	R	M	39 56 40	120 27 00	000		1965			32
A1 2320	DEAD HORSE RESERVOIR 2 SE	5075	SEC 35	T45N	R12E	L	M	41 42 00	120 33 00	000		1959			25
A4 2335	DEER CREEK FLAT	1910	SEC 14	T25N	R01E	J	M	40 01 16	121 49 34	419	PN2335	1960			52
A4 2416	DEWITT PEAK 2 WSW	1480	SEC 33	T27N	R01W	R	M	40 08 43	121 58 23	419		1960			52
G2 2460	DODGE RESERVOIR 3 NNE	6400	SEC 11	T36N	R16E	C	M	41 00 30	120 07 30	000		1959			18
A7 3153	FORNI RIDGE	7600	SEC 16	T11N	R16E		M	38 48	120 13	814		1966			09
A7 3388	GERLE CREEK CAMP	5400	SEC 11	T13N	R14E	L	M	38 59 06	120 22 45	000		1945			09
A5 3549-32	GRANITE SPRING	5765	SEC 13	T26N	R14E	J	M	40 06 23	120 20 34	000		1965			32
B2 3952	HIGHLAND LAKES	8700	SEC 32	T08N	R20E	Q	M	38 29 48	119 47 48	000	003954	1960			02
A4 4019	HOGBACK ROAD	1320	SEC 05	T27N	R01W	F	M	40 13 27	122 00 03	419		1960			52
A1 4815	LASSEN CREEK UPPER	6775	SEC 21	T45N	R15E	R	M	41 45	120 14 42	000		1958			25
A5 4932	LIGHTS CREEK	5320	SEC 02	T27N	R11E	F	M	40 13 48	120 42 30	000		1959			32
A5 4977	LITTLE LAST CHANCE VALLEY	5730	SEC 05	T24N	R16E	M	M	39 57 40	120 13 00	000		1959			32
A3 5043	LOG SPRING	5050	SEC 29	T23N	R08W	D	M	39 49 36	122 47 29	903		1964			52
A1 5081-01	LONG BELL STATION	4375	SEC 20	T42N	R05E	B	M	41 28 00	121 25 00	000		1958			25
G7 5163	LOWER MEADOW	5760	SEC 25	T20N	R17E	A	M	39 33 42	120 01 54	911		1957			46
B1 5189	LUMBERYARD	6480	SEC 15	T08N	R15E	F	M	38 32 55	120 18 24	000		1967			09
A4 5444	MCCARTHY POINT	3800	SEC 19	T27N	R03E		M	40 11 00	121 41 00	900		1945			52
A1 5505	MEDICINE LAKE	6725	SEC 10	T43N	R03E	C	M	41 35 00	121 37 00	900		1946			47
A5 5956	MT HOUGH SNOWCOURSE	6760	SEC 08	T25N	R10E	J	M	40 02 29	120 52 43	000		1964			32
A2 5982	MT SHASTA SLOPE	7500	SEC 30	T41N	R03W	Q	M	41 22 00	122 16 00	900		1947			47
A3 6212	NOEL SPRING	5000	SEC 05	T19N	R07W	B	M	39 32 16	122 40 03	903		1964			11
A5 6452	ONION VALLEY	6530	SEC 05	T22N	R10E	G	M	39 48 00	120 53 06	000		1959			32
A1 6750	PATTERSON MEADOW	7000	SEC 29	T39N	R16E		M	41 11 00	120 12 00	000		1958			25
A1 6803	PEPPERDINES CAMP	6650	SEC 28	T42N	R15E	F	M	41 26 30	120 14 00	000		1958			25
A7 7492	ROBERTSON FLAT	6740	SEC 11	T15N	R13E	N	M	39 09 26	120 30 06	000		1946			31
A3 7637	SADDLE CAMP RANGER STATION	3850	SEC 30	T27N	R08E		M	40 10 00	122 48 00	900		1945			52
A2 8591	STOUTS MEADOW	5300	SEC 01	T38N	R01W	B	M	41 10 00	121 56 00	900		1946			45
A5 8716	SWAIN MOUNTAIN	6160	SEC 20	T30N	R08E	J	M	40 26 40	121 06 00	000		1957			32
A1 8718	SWEAGERT FLAT	6000	SEC 11	T39N	R10E	F	M	41 14	120 47 30	000		1958			25
A7 8881	THE CEDARS	5900	SEC 13	T16N	R14E	L	M	39 15 00	120 21 12	000		1945			31
A5 8909	THREE MILE VALLEY	5900	SEC 36	T24N	R12E	A	M	39 54 05	120 34 15	000		1959			32
A3 9037	TROUGH SPRING	4000	SEC 28	T17N	R07W	L	M	39 17 48	122 39 11	903		1964			06
A4 9098	TWENTY MILE HOLLOW	2800	SEC 07	T26N	R02E	F	M	40 07 33	121 48 12	000		1960			52
A7 9597	WESTVILLE	5290	SEC 05	T15N	R12E	J	M	39 10 30	120 39 08	000		1948			31
A7 9816	WRIGHTS LAKE	6950	SEC 32	T12N	R16E	J	M	38 50 30	120 14 02	900		1946			09

TABLE A-3

STORAGE GAGE PRECIPITATION DATA

Station	Agency	1971-72 Season		
		Measurement Period		Precipitation in Inches
SACRAMENTO RIVER BASIN				
PIT RIVER A1				
BLACKS MOUNTAIN	DWR Northern District	8- 9-71	7-18-72	20.06
BUTTE LAKE	DWR Northern District	7- 7-71	7- 7-72	31.78
DEAD HORSE RESERVOIR 2 SE	DWR Northern District	8-11-71	7-20-72	14.05
LASSEN CREEK UPPER	DWR Northern District	8-11-71	7-20-72	17.67
LONG BELL STATION	DWR Northern District	7-29-71	7-13-72	25.42
MEDICINE LAKE	DWR Northern District	7-29-71	7-13-72	44.08
PATTERSON MEADOW	DWR Northern District	8-10-71	7-19-72	32.14
PEPPERDINES CAMP	DWR Northern District	8-10-71	7-19-72	32.64
SWEAGERT FLAT	DWR Northern District	8- 9-71	7-18-72	33.13
SHASTA LAKE A2				
MT. SHASTA SLOPE	DWR Northern District	7-28-71	7-12-72	56.04
STOUTS MEADOW	DWR Northern District	8-12-71	7-13-72	56.18
SACRAMENTO VALLEY WESTSIDE A3				
ALDER SPRINGS	COE Sacramento District	8-25-71	8-14-72	20.55
BALL MOUNTAIN LOOKOUT	DWR Northern District	8-26-71	7-25-72	32.28
LOG SPRING	COE Sacramento District	8-25-71	8-10-72	29.00
NOEL SPRING	COE Sacramento District	8-25-71	8-14-72	27.00
SADDLE CAMP RANGER STATION	DWR Northern District	6-28-71	7-24-72	21.49
TROUGH SPRING	COE Sacramento District	8-26-71	8-15-72	27.25
SACRAMENTO VALLEY NORTHEAST A4				
DEER CREEK FLAT	DWR Northern District	9-21-71	7-26-72	18.25
DeWITT PEAK 2 WSW	DWR Northern District	6-29-71	7-26-72	15.10
HOGBACK ROAD	DWR Northern District	6-28-71	--	NR
McCARTHY POINT	DWR Northern District	6-30-71	7-27-72	28.71
TWENTY MILE HOLLOW	DWR Northern District	6-30-71	7-27-72	18.15
FEATHER RIVER A5				
BOULDER CREEK GUARD STATION	DWR Central District	9-22-71	9-26-72	21.12
CAMEL PEAK	DWR Central District	9-20-71	9-25-72	50.19
CLARKS PEAK 1 NE	DWR Central District	9-22-71	9-26-72	21.80
CLOVER VALLEY	DWR Central District	9-23-71	10-24-72	18.41
GRANITE SPRING	DWR Central District	9-23-71	9-27-72	14.50
LIGHTS CREEK	DWR Central District	9-22-71	10-23-72	33.27
LITTLE LAST CHANCE VALLEY	DWR Central District	9-23-71	9-27-72	13.34
MT. HOUGH SNOWCOURSE	DWR Central District	9-21-71	10-23-72	48.11
ONION VALLEY	DWR Central District	9-21-71	9-25-72	50.87
SWAIN MOUNTAIN	DWR Central District	9-22-71	9-26-72	53.42
THREE MILE VALLEY	DWR Central District	9-23-71	10-24-72	36.16
AMERICAN RIVER A7				
BRUSHY SPRINGS GUARD STATION	DWR Central District	7-21-71	9-19-72	45.25
FORNI RIDGE	DWR Snow Surveys	10- 1-71	10- 4-72	40.75
GERLE CREEK CAMP	DWR Central District	7-21-71	9-19-72	58.54
ROBERTSON FLAT	DWR Central District	7-19-71	9-20-72	62.98
THE CEDARS	DWR Central District	7-19-71	9-20-72	52.45
WESTVILLE	DWR Central District	7-19-71	9-20-72	45.30
WRIGHTS LAKE	DWR Central District	7-21-71	9-25-72	48.69
SAN JOAQUIN RIVER BASIN				
COSUMNES RIVER B1				
LUMBERYARD	DWR Central District	9-30-71	9-28-72	53.62
MOKELUMNE-CALAVERAS RIVERS B2				
HIGHLAND LAKES	DWR San Joaquin District	6-30-71	7-12-72	28.10
NORTH LAHONTAN AREA				
MADELINE PLAINS G2				
DODGE RESERVOIR 3 NNE	DWR Northern District	8-10-71	7-19-72	12.35
EAGLE LAKE G3				
CHAMPS FLAT	DWR Northern District	8- 9-71	7-18-72	14.45
TRUCKEE RIVER G7				
BROCKWAY SUMMIT	COE Sacramento District	10- 1-71	9-29-72	25.85
LOWER MEADOW	USFS Inter Mountain	9-30-71	9-29-72	19.32

NR - No Record

APPENDIX B

SURFACE WATER MEASUREMENTS

This appendix contains surface water data for the 1972 water year, which is from October 1, 1971, to September 30, 1972. The data consist of unimpaired runoff; daily mean discharges; daily mean gage heights; maximum and minimum gage heights; daily maximum and minimum tides; gaging station locations; diversion quantities; water imported to the report area; water exported from the report area; summary of water supply and utilization for the Sacramento-San Joaquin Delta; streamflow measurements at miscellaneous locations; corrections and revisions to previously published reports; and contents and inflow for major reservoirs.

Each station in this appendix has been assigned an identification number. The first two digits denote the hydrographic unit as shown below. The remaining digits further identify the station.

Sacramento River Basin	San Joaquin River Basin	North Lahontan Area
A0 Sacramento Valley Floor	B0 San Joaquin Valley Floor	G1 Surprise Valley
A1 Pit River	B1 Cosumnes River	G2 Madeline Plains
A2 Shasta Lake	B2 Mokelumne-Calaveras Rivers	G3 Eagle Lake
A3 Sacramento Valley Westside	B8 San Joaquin Valley Westside	G4 Susan River
A4 Sacramento Valley Northeast	B9 Sacramento-San Joaquin Delta	G5 Smoke River
A5 Feather River		G6 Herlong
A6 Yuba-Bear Rivers		G7 Truckee River
A7 American River	San Francisco Bay Area	G8 Carson River
A8 Cache Creek		G9 Walker River
A9 Putah Creek	E0 San Francisco Bay	

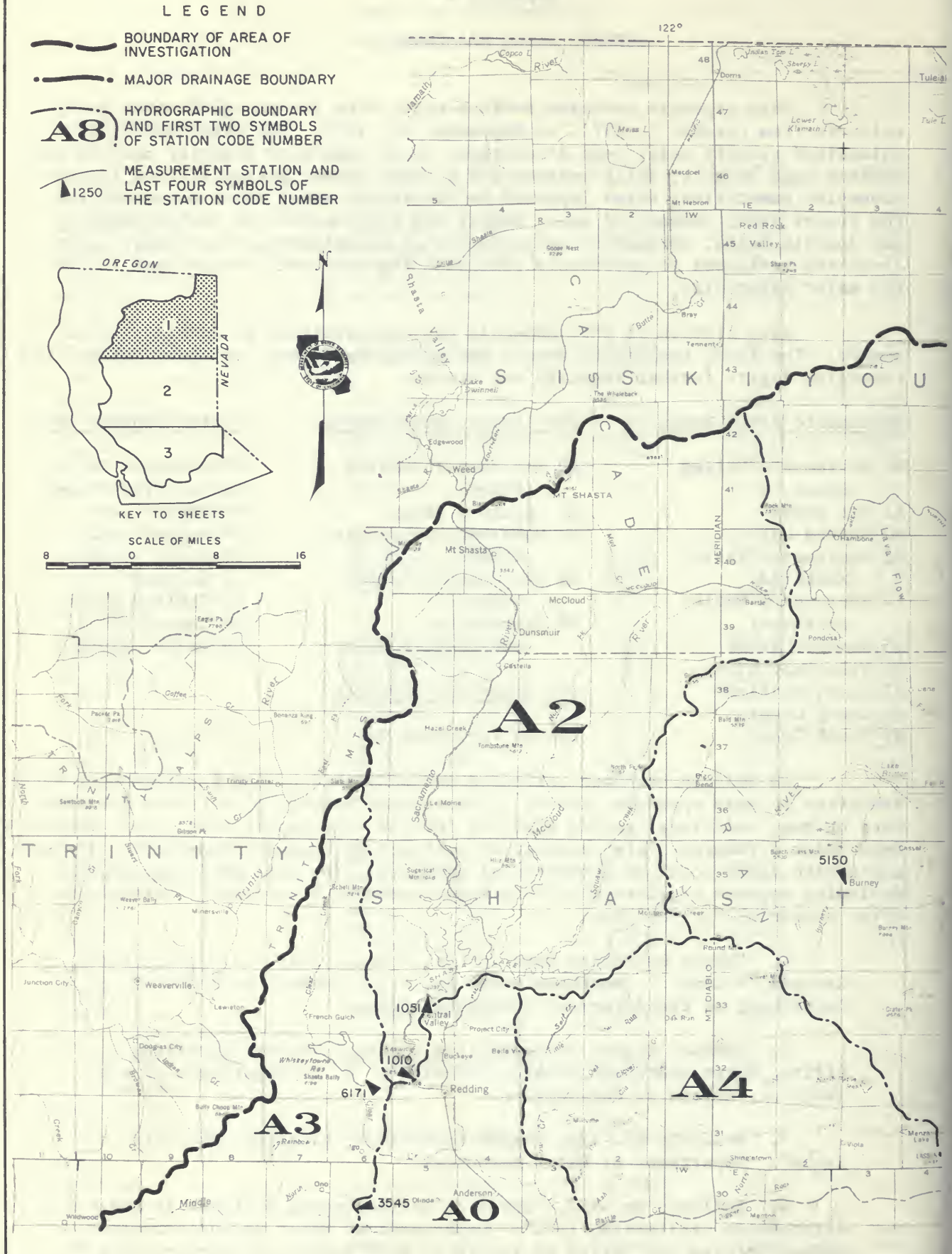
In addition to data collected and published by the Department of Water Resources in this appendix, the U. S. Geological Survey collects and publishes data on many additional gaging stations for the same report area. This work is done under a federal-state cooperative contract or through cooperative arrangements with other local or governmental agencies. The data published in the following reports together with this report present a comprehensive analysis of water resources for the area:

1. "Water Resources Data for California, Part 1: Surface Water Records, Volume 2: Northern Great Basin and Central Valley". U. S. Department of the Interior, Geological Survey.

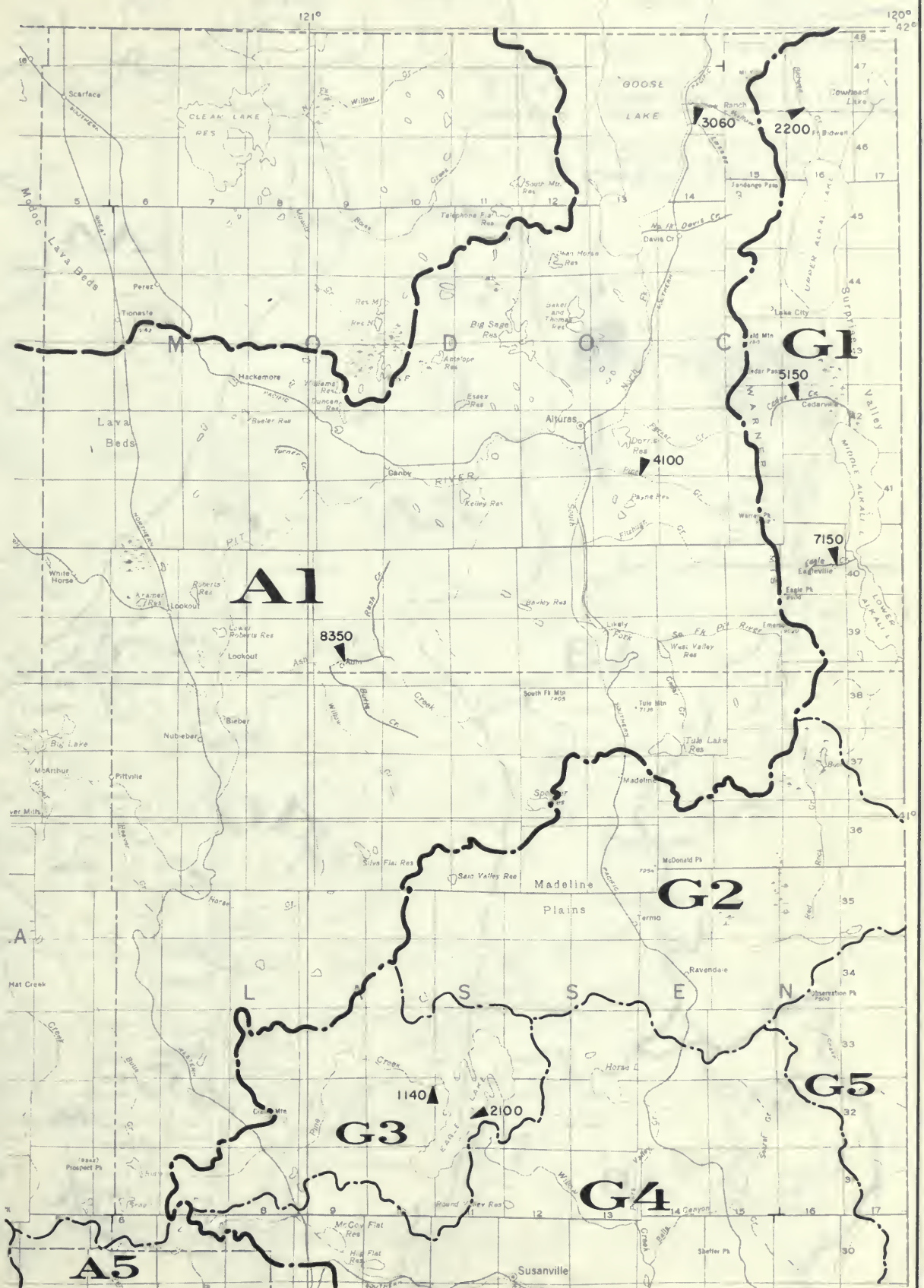
2. "Annual Report of Operations, Central Valley Operations Office, Water and Power Control Division". U. S. Department of the Interior, Bureau of Reclamation.

3. Bulletin No. 120, "Water Conditions in California, Fall Issue". Department of Water Resources.

4. Bulletin No. 157, "Index of Stream Gaging Stations in and Adjacent to California, 1970". Department of Water Resources. This index contains the period of record -- with number of years missing -- and more information for stations in the report area. The index also identifies the agency from which a particular record may be obtained.

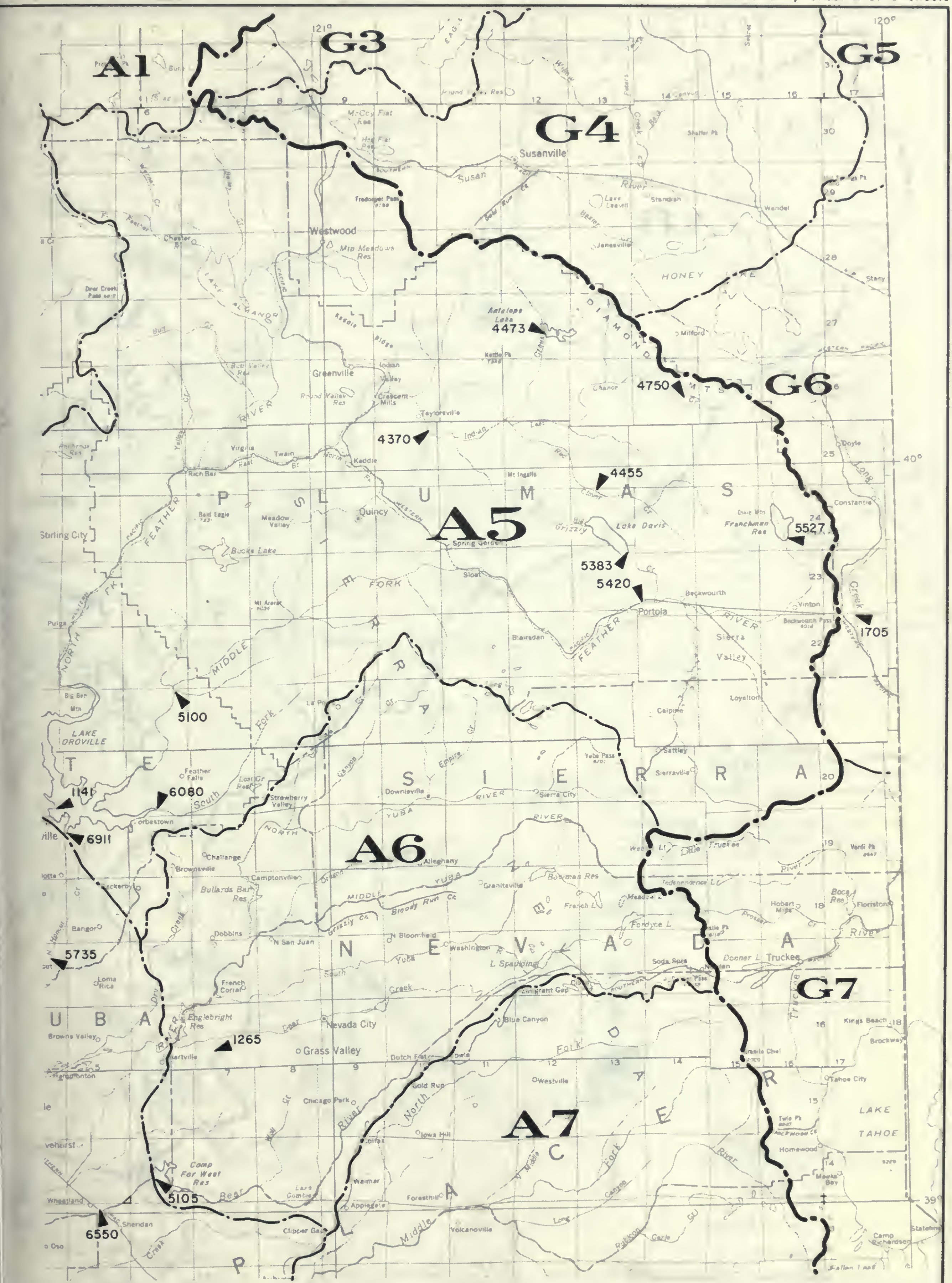


SURFACE WATER MEASUREMENT STATIONS 1971 - 72



SURFACE WATER MEASUREMENT STATIONS 1971 - 72

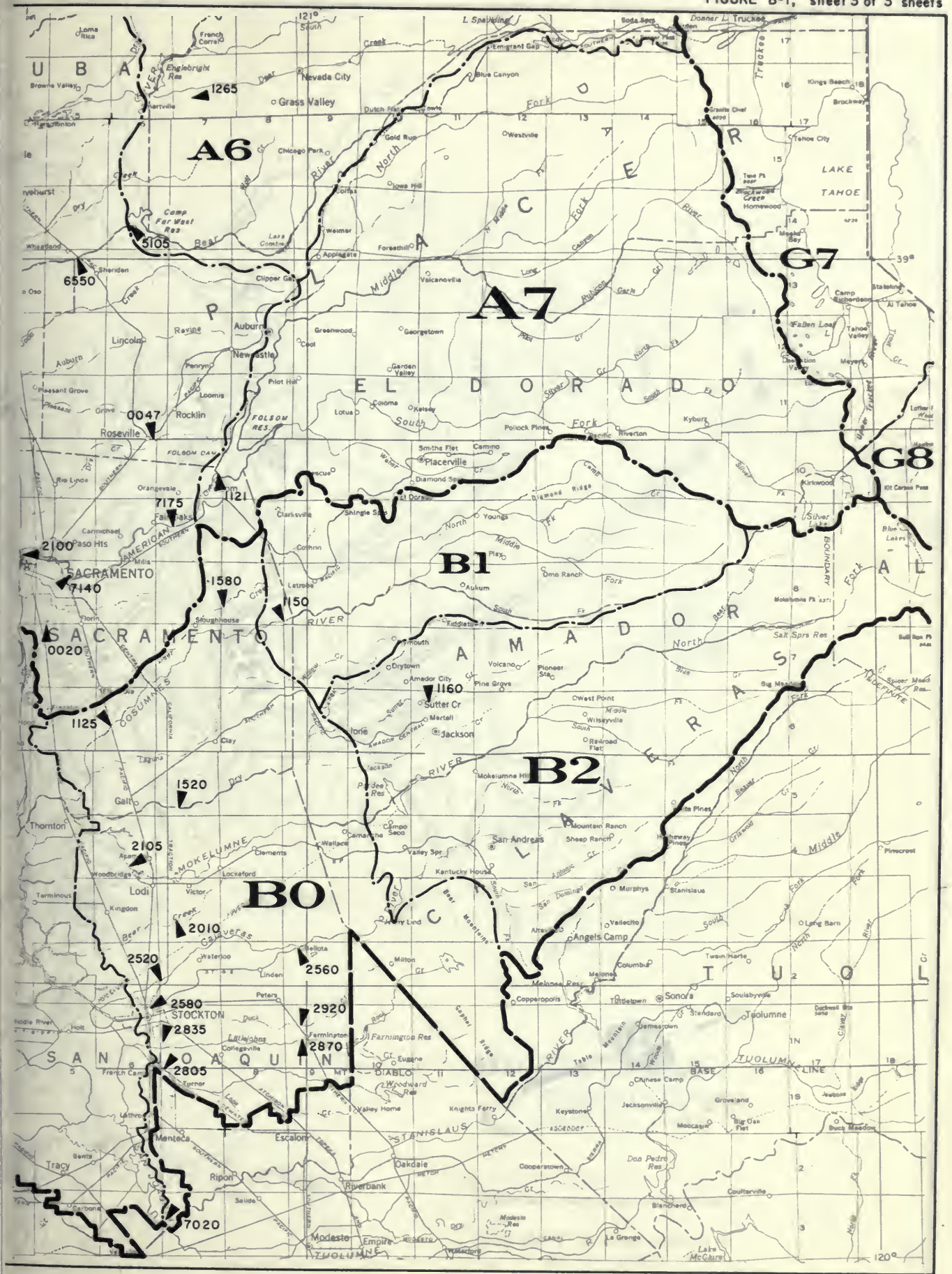
SURFACE WATER MEASUREMENT STATIONS 1971 - 72



SURFACE WATER MEASUREMENT STATIONS 1971 -72

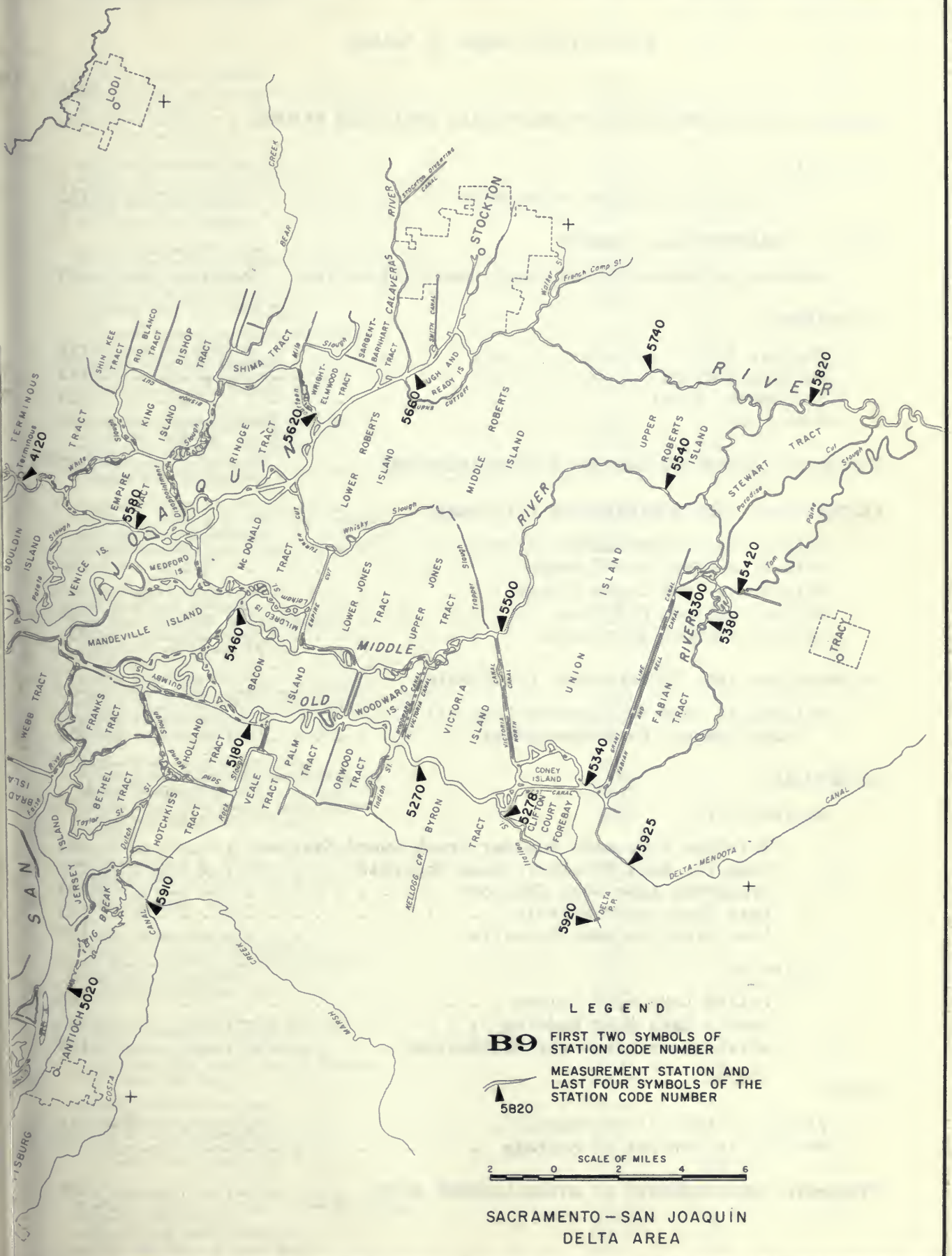
SURFACE WATER MEASUREMENT STATIONS 1971-72

FIGURE B-1, sheet 3 of 3 sheets



SURFACE WATER MEASUREMENT STATIONS 1971 - 72

SURFACE WATER MEASUREMENT STATIONS 1971 - 72



SURFACE WATER MEASUREMENT STATIONS 1971 - 72

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American River at Sacramento	A07140		156
Ash Creek at Adin	A18350	44	
Bear Creek near Lodi	B02010	111	
Bear Creek near Rumsey	A81250	98	
Bear River near Wheatland	A06550		139
Bidwell Creek near Fort Bidwell	G12200	122	
Big Chico Creek at Chico	A04250	53	
Burney Creek near Burney	A15150	45	
Butte Creek near Durham	A04265	60	
Butte Slough near Meridian	A02972	72	139
Butte Slough at Outfall Gates	A02967	63	
Cache Creek above Rumsey	A81200	99	
Cache Creek at Yolo	A08125		139
Calaveras River near Stockton	B02520	108	
California Aqueduct at Delta Pumping Plant	B95920	120	
Cedar Creek at Cedarville	G15150	123	
Cherokee Canal near Richvale	A02984	62	138
Clover Creek Bypass near Upper Lake	A81940	97	
Colusa Basin Drain at Highway 20	A02976	68	138
Colusa Basin Drain at Knights Landing	A02945	69	138
Colusa Weir Spill to Butte Basin	A02981	58	
Contra Costa Canal near Oakley	B95910	119	
Cosumnes River at McConnell	B01125	116	140
Cosumnes River at Michigan Bar	B11150		140
Cottonwood Creek, North Fork, near Igo	A03545	46	
Cottonwood Creek, South Fork, near Cottonwood	A03595	47	
Deer Creek near Sloughhouse	B01580	115	
Delta-Mendota Canal near Tracy	B95925	118	
Dry Creek near Galt	B01520	114	
Dry Creek at Roseville	A00047	93	
Duck Creek near Stockton	B02835	107	
Duck Creek Diversion near Farmington	B02920	104	
Eagle Creek at Eagleville	G17150	124	
Eagle Lake near Susanville	G32100		159
Feather River near Gridley	A05165	88	149
Feather River, Middle Fork, near Merrimac	A55100	83	
Feather River, Middle Fork, near Portola	A55420	78	
Feather River at Nicolaus	A05103		152
Feather River at Oroville	A05191	86	148
Feather River below Shanghai Bend	A05120	91	151
Feather River, South Fork, at Ponderosa Dam	A56080	84	
Feather River at Yuba City	A05135		150
Feather River, West Branch, near Paradise	A52250	82	
Fremont Weir Spill to Yolo Bypass	A02930	71	
French Camp Slough near French Camp	B02805	106	
Georgiana Slough at Mokelumne River	B94100		187
Grantline Canal at Tracy Road Bridge	B95300		181
Grindstone Creek near Elk Creek	A31302	55	
Indian Creek near Taylorsville	A54370	81	
Italian Slough near Mouth	B95278		180
Lassen Creek near Willow Ranch	A13060	42	
Last Chance Creek at Dixie Refuge Damsite	A54750	80	
Lindo Channel near Chico	A00600	54	
Little Chico Creek near Chico	A04280	61	
Little Chico Creek Diversion near Chico	A04910	59	
Littlejohn Creek at Farmington	B02870	105	
Little Potato Slough at Terminous	B94120		186
Long Valley Creek near Hallelujah Junction	G61705	126	
Marsh Creek near Byron	B89100	121	
Middle Creek near Upper Lake	A81810	95	
Middle River at Bacon Island	B95460		176
Middle River at Borden Highway	B95500		175
Middle River at Mowry Bridge	B95540		174
Mokelumne River at Woodbridge	B02105	112	140
Mokelumne River near Thornton	B94175		184
Mokelumne River, South Fork, at New Hope Bridge	B94150		185
Mormon Slough at Bellota	B02560	109	
Morrison Creek near Sacramento	A00020	117	
Moulton Weir Spill to Butte Basin	A02986	57	

ALPHABETICAL INDEX TO SURFACE WATER MEASUREMENT STATIONS (Continued)

	Station Code Number	Streamflow and Station Description Page	Stage, Tide, Crests, and Station Description Page
Mud Creek near Chico	A04242	51	
Mud Creek Diversion at Chico	A00928	52	
North Honcut Creek near Bangor	A05735	89	
Old River near Byron	B95270		182
Old River at Clifton Court Ferry	B95340		179
Old River near Rock Slough	B95180		183
Old River at Tracy Road Bridge	B95380		177
Palermo Canal at Oroville Dam	A56911	85	
Pine Creek near Alturas	A14100	43	
Pine Creek near Susanville	G31140	125	
Pope Creek near Pope Valley	A95010	100	
Putah Creek near Winters	A91250		140
Putah Creek, South Fork, near Davis	A09115	101	
Reclamation District 70 Drainage to Sacramento River	A02965	64	
Reclamation District 108 Drainage to Sacramento River	A02933	66	
Reclamation District 787 Drainage to Colusa Basin Drain	A02950	70	
Reclamation District 787 Drainage to Sacramento River	A02955	67	
Reclamation District 1500 Drainage to Sacramento Slough	A02926	76	
Reclamation District 1660 Drainage to Sutter Bypass	A05922	74	
Reclamation District 1660 Drainage to Tisdale Bypass	A02963	75	
Red Bank Creek near Red Bluff	A03460	48	
Red Clover Creek above Abbey Bridge Damsite	A54455	79	
Sacramento River above Bend Bridge near Red Bluff	A02788		137
Sacramento River at Butte City	A02500		137
Sacramento River at Collinsville	B91110		168
Sacramento River at Colusa	A02420		138
Sacramento River at Colusa Weir	A02430		143
Sacramento River near Freeport	B91850		163
Sacramento River at Fremont Weir, East End	A02160		147
Sacramento River at Fremont Weir, West End	A02170		146
Sacramento River at Hamilton City	A02630	50	137
Sacramento River at Keswick	A21010		137
Sacramento River at Knights Landing	A02200		138
Sacramento River at Moulton Weir	A02445		141
Sacramento River opposite Moulton Weir	A02450		142
Sacramento River at Ord Ferry	A02570	56	137
Sacramento River at Rio Vista	B91210		167
Sacramento River at Sacramento	A02100	94	155, 162
Sacramento River at Sacramento Weir	A02105		154, 161
Sacramento River at Snodgrass Slough	B91750		164
Sacramento River at Tisdale Weir	A02301		144
Sacramento River at Verona	A02150		153
Sacramento River at Vina Bridge	A02700	49	137
Sacramento River at Walnut Grove	B91650		165
Sacramento River below Wilkins Slough	A02280		138
Sacramento Slough at Sacramento River	A02925	77	
Sacramento Weir Spill to Yolo Bypass	A02903	92	
San Joaquin River at Antioch	B95020		190
San Joaquin River at Brandt Bridge	B95740		170
San Joaquin River at Mossdale Bridge	B95820		169
San Joaquin River at Rindge Pump	B95620		172
San Joaquin River at San Andreas Landing	B95100		188
San Joaquin River at Venice Island	B95580		173
San Joaquin River near Vernalis	B07020	103	158
Scotts Creek at Eickhoff Road near Lakeport	A81845	96	
Scotts Creek at Upper Lake	A81820		157
Squirrel Creek near Penn Valley	A61265	90	
Stockton Diverting Canal at Stockton	B02580	110	
Stockton Ship Channel at Burns Cutoff	B95660		171
Suisun Bay at Benicia	E03300		191
Sutter Bypass at Reclamation District 1500 Pumping Plant	A02927		145
Sutter Creek near Sutter Creek	B21160	113	
Thermalito Afterbay Release to Feather River near Oroville	A05975	87	
Threemile Slough at San Joaquin River	B95060		189
Tisdale Weir Spill to Sutter Bypass	A02960	65	
Tom Paine Slough above Mouth	B95420		178
Wadsworth Canal near Sutter	A05929	73	139
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Yolo Bypass near Woodland	A02935	102	140
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SURFACE WATER MEASUREMENT STATIONS

Station Code Number		Streamflow and Station Description Page	Daily Stage, Major Crests, Reservoirs, and Station Description Page
HYDROGRAPHIC AREA A			
	Sacramento Valley Floor		
A00020	Morrison Creek near Sacramento	117	-
0047	Dry Creek at Roseville	93	-
0600	Lindo Channel near Chico	54	-
0928	Mud Creek Diversion at Chico	52	-
2100	Sacramento River at Sacramento	94	155, 162
A02105	Sacramento River at Sacramento Weir	-	154, 161
2150	Sacramento River at Verona	-	153
2160	Sacramento River at Fremont Weir, East End	-	147
2170	Sacramento River at Fremont Weir, West End	-	146
2200	Sacramento River at Knights Landing	-	138
A02280	Sacramento River below Wilkins Slough	-	138
2301	Sacramento River at Tisdale Weir	-	144
2420	Sacramento River at Colusa	-	138
2430	Sacramento River at Colusa Weir	-	143
2445	Sacramento River at Moulton Weir	-	141
A02450	Sacramento River opposite Moulton Weir	-	142
2500	Sacramento River at Butte City	-	137
2570	Sacramento River at Ord Ferry	56	137
2630	Sacramento River at Hamilton City	50	137
2700	Sacramento River at Vina Bridge	49	137
A02788	Sacramento River above Bend Bridge near Red Bluff	-	137
2903	Sacramento Weir Spill to Yolo Bypass	92	-
2925	Sacramento Slough at Sacramento River	77	-
2926	Reclamation District 1500 Drainage to Sacramento Slough	76	-
2927	Sutter Bypass at Reclamation District 1500 Pumping Plant	-	145
A02930	Fremont Weir Spill to Yolo Bypass	71	-
2933	Reclamation District 108 Drainage to Sacramento River	66	-
2935	Yolo Bypass near Woodland	102	140
2945	Colusa Basin Drain at Knights Landing	69	138
2950	Reclamation District 787 Drainage to Colusa Basin Drain	70	-
A02955	Reclamation District 787 Drainage to Sacramento River	67	-
2960	Tisdale Weir Spill to Sutter Bypass	65	-
2963	Reclamation District 1660 Drainage to Tisdale Bypass	75	-
2965	Reclamation District 70 Drainage to Sacramento River	64	-
2967	Butte Slough at Outfall Gates	63	-
A02972	Butte Slough near Meridian	72	139
2976	Colusa Basin Drain at Highway 20	68	138
2981	Colusa Weir Spill to Butte Basin	58	-
2984	Cherokee Canal near Richvale	62	138
2986	Moulton Weir Spill to Butte Basin	57	-
A03460	Red Bank Creek near Red Bluff	48	-
3545	Cottonwood Creek, North Fork, near Igo	46	-
3595	Cottonwood Creek, South Fork, near Cottonwood	47	-
4242	Mud Creek near Chico	51	-
4250	Big Chico Creek at Chico	53	-
A04265	Butte Creek near Durham	60	-
4280	Little Chico Creek near Chico	61	-
4910	Little Chico Creek Diversion near Chico	59	-
5103	Feather River at Nicolaus	-	152
5120	Feather River below Shanghai Bend	91	151
A05135	Feather River at Yuba City	-	150
5165	Feather River near Gridley	88	149
5191	Feather River at Oroville	86	148
5735	North Honcut Creek near Bangor	89	-
5922	Reclamation District 1660 Drainage to Sutter Bypass	74	-
A05929	Wadsworth Canal near Sutter	73	139
5975	Thermalito Afterbay Release to Feather River near Oroville	87	-
6150	Yuba River near Marysville	-	139
6550	Bear River near Wheatland	-	139
7140	American River at Sacramento	-	156
A07175	American River at Fair Oaks	-	139
8125	Cache Creek at Yolo	-	139
9115	Putah Creek, South Fork, near Davis	101	-

HYDROGRAPHIC AREA CODE NUMBER INDEX TO SURFACE WATER MEASUREMENT STATIONS (Continued)

Station Code Number		Streamflow and Station Description Page	Daily Stage, Major Crests, Reservoirs and Station Description Page
HYDROGRAPHIC AREA A (Continued)			
	Pit River		
A13060	Lassen Creek near Willow Ranch	42	-
4100	Pine Creek near Alturas	43	-
5150	Burney Creek near Burney	45	-
8350	Ash Creek at Adin	44	-
	Shasta Lake		
A21010	Sacramento River at Keswick	-	137
1051	Inflow to Shasta Lake	-	198
	Sacramento Valley Westside		
A31302	Grindstone Creek near Elk Creek	55	-
6171	Inflow to Whiskeytown Lake	-	199
	Feather River		
A51141	Lake Oroville near Oroville	-	195
2250	Feather River, West Branch, near Paradise	82	-
4370	Indian Creek near Taylorsville	81	-
4455	Red Clover Creek above Abbey Bridge Damsite	79	-
4473	Antelope Lake near Boulder Creek Guard Station	-	194
A54750	Last Chance Creek at Dixie Refuge Damsite	80	-
5100	Feather River, Middle Fork, near Merrimac	83	-
5383	Lake Davis near Portola	-	193
5420	Feather River, Middle Fork, near Portola	78	-
5527	Frenchman Lake near Chilcoot	-	192
A56080	Feather River, South Fork, at Ponderosa Dam	84	-
6911	Palermo Canal at Oroville Dam	85	-
	Yuba-Bear Rivers		
A61265	Squirrel Creek near Penn Valley	90	-
5105	Camp Far West Reservoir near Sheridan	-	196
	American River		
A71120	Inflow to Folsom Lake	-	200
	Cache Creek		
A81200	Cache Creek above Rumsey	99	-
1250	Bear Creek near Rumsey	98	-
1810	Middle Creek near Upper Lake	95	-
1820	Scotts Creek at Upper Lake	-	157
1845	Scotts Creek at Eickhoff Road near Lakeport	96	-
1940	Clover Creek Bypass near Upper Lake	97	-
	Putah Creek		
A91250	Putah Creek near Winters	-	140
5010	Pope Creek near Pope Valley	100	-
HYDROGRAPHIC AREA B			
	San Joaquin Valley Floor		
B01125	Cosumnes River at McConnell	116	140
1520	Dry Creek near Galt	114	-
1580	Deer Creek near Sloughhouse	115	-
2010	Bear Creek near Lodi	111	-
2105	Mokelumne River at Woodbridge	112	140
B02520	Calaveras River near Stockton	108	-
2560	Mormon Slough at Bellota	109	-
2580	Stockton Diverting Canal at Stockton	110	-
2805	French Camp Slough near French Camp	106	-
2835	Duck Creek near Stockton	107	-
B02870	Littlejohn Creek at Farmington	105	-
2920	Duck Creek Diversion near Farmington	104	-
7020	San Joaquin River near Vernalis	103	158

HYDROGRAPHIC AREA CODE NUMBER INDEX TO SURFACE WATER MEASUREMENT STATIONS
(Continued)

Station Code Number		Streamflow and Station Description Page	Daily Stage, Major Crests, Reservoirs and Station Description Page
HYDROGRAPHIC AREA B (Continued)			
	Cosumnes River		
B11150	Cosumnes River at Michigan Bar	-	140
	Mokelumne-Calaveras Rivers		
B21160	Sutter Creek near Sutter Creek	113	-
	San Joaquin Valley Westside		
B89100	Marsh Creek near Byron	121	-
	Sacramento-San Joaquin Delta		
B91110	Sacramento River at Collinsville	-	168
1210	Sacramento River at Rio Vista	-	167
1560	Yolo Bypass near Lisbon	-	166
1650	Sacramento River at Walnut Grove	-	165
1750	Sacramento River at Snodgrass Slough	-	164
B91850	Sacramento River near Freeport	-	163
4100	Georgiana Slough at Mokelumne River	-	187
4120	Little Potato Slough at Terminous	-	186
4150	Mokelumne River, South Fork, at New Hope Bridge	-	185
4175	Mokelumne River near Thornton	-	184
B95020	San Joaquin River at Antioch	-	190
5060	Threemile Slough at San Joaquin River	-	189
5100	San Joaquin River at San Andreas Landing	-	188
5180	Old River near Rock Slough	-	183
5270	Old River near Byron	-	182
B95278	Italian Slough near Mouth	-	180
5300	Grantline Canal at Tracy Road Bridge	-	181
5340	Old River at Clifton Court Ferry	-	179
5380	Old River at Tracy Road Bridge	-	177
5420	Tom Paine Slough above Mouth	-	178
B95460	Middle River at Bacon Island	-	176
5500	Middle River at Borden Highway	-	175
5540	Middle River at Mowry Bridge	-	174
5580	San Joaquin River at Venice Island	-	173
5620	San Joaquin River at Rindge Pump	-	172
B95660	Stockton Ship Channel at Burns Cutoff	-	171
5740	San Joaquin River at Brandt Bridge	-	170
5820	San Joaquin River at Mossdale Bridge	-	169
5910	Contra Costa Canal near Oakley	119	-
5920	California Aqueduct at Delta Pumping Plant	120	-
B95925	Delta-Mendota Canal near Tracy	118	-
HYDROGRAPHIC AREA E			
	San Francisco Bay		
E03300	Suisun Bay at Benicia	-	191
HYDROGRAPHIC AREA G			
	Surprise Valley		
G12200	Bidwell Creek near Fort Bidwell	122	-
5150	Cedar Creek at Cedarville	123	-
7150	Eagle Creek at Eagleville	124	-
	Eagle Lake		
G31140	Pine Creek near Susanville	125	-
2100	Eagle Lake near Susanville	-	159
	Herlong		
G61705	Long Valley Creek near Hallelujah Junction	126	-

TABLES B-1 AND B-2

UNIMPAIRED RUNOFF

Unimpaired runoff is defined as the flow that occurs naturally at a point in a stream if there are: (1) no upstream controls such as dams or reservoirs; (2) no diversions or unnatural accretions; and (3) no change in ground water storage resulting from development. The computed natural or unimpaired runoff values are considered to be the flows that would occur if no impairments were upstream from the measurement point.

TABLE B-1

ANNUAL UNIMPAIRED RUNOFF

In Percent of Average

	Sacramento and San Joaquin Rivers to Delta (a)	Sacramento River near Red Bluff	Sacramento River at Sacramento (a)	Feather River near Oroville	Yuba River at Smartville	American River at Fair Oaks	Mokelumne River near Mokelumne Hill	San Joaquin River near Vernalis (a)
Average Annual Runoff (b)	23,229	7,950	17,072	4,286	2,266	2,570	704	5,453
1931-32	88	64	77	78	93	101	106	121
1932-33	55	58	52	47	48	49	60	62
1933-34	48	57	51	47	44	44	42	42
1934-35	102	94	97	100	99	100	100	118
1935-36	107	89	102	100	114	132	127	119
1936-37	88	75	78	74	82	91	99	120
1937-38	191	185	186	201	178	175	176	206
1938-39	49	55	48	43	40	41	48	53
1939-40	129	132	131	132	126	132	122	121
1940-41	154	180	159	151	138	122	119	146
1941-42	145	142	148	155	150	152	140	136
1942-43	127	107	124	131	138	151	143	134
1943-44	64	59	61	67	62	57	63	72
1944-45	96	84	88	87	93	98	110	121
1945-46	103	101	103	98	106	111	106	105
1946-47	61	64	61	59	60	55	56	63
1947-48	89	96	92	90	89	87	90	77
1948-49	70	76	70	61	66	72	73	70
1949-50	85	72	85	90	98	104	107	84
1950-51	135	114	134	133	156	180	165	133
1951-52	169	145	168	186	182	194	188	171
1952-53	108	122	118	122	113	103	97	80
1953-54	90	117	102	99	85	78	75	79
1954-55	64	71	64	58	57	61	62	64
1955-56	176	167	175	186	175	181	177	178
1956-57	85	90	87	85	86	83	85	79
1957-58	168	190	174	163	156	159	151	153
1958-59	66	85	71	67	55	48	53	55
1959-60	71	81	76	75	75	65	59	54
1960-61	62	90	70	62	50	41	40	39
1961-62	92	94	89	85	85	80	91	103
1962-63	130	125	135	146	145	138	124	115
1963-64	62	66	64	60	65	63	61	58
1964-65	151	130	150	162	171	174	170	149
1965-66	75	92	76	67	63	54	65	73
1966-67	151	132	141	147	146	154	162	183
1967-68	73	87	80	81	69	66	58	54
1968-69	172	149	154	166	144	160	189	223
1969-70	131	148	140	142	129	123	126	102
1970-71 (c)	119	136	130	133	126	110	106	89
1971-72 (c)	75	83	78	74	75	72	73	65

(a) Figures were computed from summations of unimpaired runoff at foothill stations on major tributaries only and do not include runoff from minor tributaries and from valley floor.

(b) Average unimpaired runoff in thousands of acre-feet computed from the 50-year period October 1920 through September 1970.

(c) Preliminary data subject to revision.

TABLE B-2

MONTHLY UNIMPAIRED RUNOFF

In Percent of Average

		Sacramento and San Joaquin Rivers to Delta (a)	Sacramento River near Red Bluff	Sacramento River at Sacramento (a)	Feather River near Oroville	Yuba River at Smartville	American River at Fair Oaks	Mokelumne River near Mokelumne Hill	San Joaquin River near Vernalis (a)
October 1971	Percent	107	127	114	104	90	43	52	47
	Average	508	292	459	107	34	25	4	45
November 1971	Percent	77	85	78	83	46	64	69	72
	Average	887	425	751	170	80	75	17	119
December 1971	Percent	62	60	59	59	52	64	67	76
	Average	1,907	837	1,615	378	201	199	39	253
January 1972	Percent	59	66	59	56	56	38	49	65
	Average	2,430	1,106	2,086	464	246	269	45	300
February 1972	Percent	63	60	65	76	74	60	57	50
	Average	2,867	1,275	2,411	541	287	309	56	400
March 1972	Percent	118	113	119	122	129	127	138	110
	Average	2,887	1,093	2,315	576	295	351	72	500
April 1972	Percent	73	87	79	73	70	80	63	55
	Average	3,555	1,006	2,565	720	382	456	127	863
May 1972	Percent	71	77	71	63	70	73	82	70
	Average	3,888	684	2,285	658	425	518	195	1,408
June 1972	Percent	64	86	68	52	73	56	58	61
	Average	2,451	437	1,261	331	218	276	121	1,069
July 1972	Percent	56	100	76	54	64	30	25	27
	Average	962	297	569	153	55	64	22	370
August 1972	Percent	79	110	91	60	65	26	20	30
	Average	487	251	394	103	23	16	4	89
September 1972	Percent	115	117	110	91	120	73	27	173
	Average	400	247	362	85	19	12	2	36
1971-72 Water Year	Percent	75	83	78	74	75	72	73	65
	Average	23,229	7,950	17,072	4,286	2,266	2,570	704	5,453

The percent values are preliminary, subject to revision.
Average unimpaired runoff in thousands of acre-feet computed from the 50-year period October 1920 through September 1970.

(a) Figures were computed from summations of unimpaired runoff at foothill stations on major tributaries only and do not include runoff from minor tributaries and from the valley floor.

TABLE B-3

SUMMARY OF WATER SUPPLY AND UTILIZATION
SACRAMENTO-SAN JOAQUIN DELTA

This table presents in thousands of acre-feet the correlation of water supply and use for the Sacramento-San Joaquin Delta Service Area.

The Delta Service Area is a natural hydrographic subdivision which is comprised of two subareas. One is the Delta Lowlands which are those lands within a boundary located approximately at the 5-foot contour; the Delta Uplands are those lands outside the Delta Lowlands boundary which are served by water from the lowland channels.

The water supply available to the Delta Service Area is the sum of the measured inflow and the precipitation. The measured inflow is determined from 14 gaging stations listed in the table. The precipitation is determined by the Thiessen Balance Method for stations located at Davis, Galt, Rio Vista, Lodi, Brentwood, Stockton, and Tracy S. P. "Water Utilization" in the same table includes agricultural use, evaporation, exports through the California Aqueduct, Delta-Mendota and Contra Costa Canals, and diversion for the City of Vallejo. Agricultural use in the uplands is the average measured diversions for the 10-year period October 1960 through September 1970. Agricultural use in the lowlands is computed by unit values of consumptive use of the various crops, multiplied by the acreages. Unit values of consumptive use were derived from experimental work by the University of California and California Extension Service as reported in Bulletin No. 27, "Variations and Control of Salinity in Sacramento-San Joaquin Delta and Upper San Francisco Bays". Crop acreage values used in this table were determined from a survey made in 1960 and 1961.

TABLE B-3

SUMMARY OF MONTHLY WATER SUPPLY AND UTILIZATION
SACRAMENTO-SAN JOAQUIN DELTA
(In Thousands of Acre-Feet)

Item	Record on Page No.	1971		1972									Water Year Total
		OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
WATER SUPPLY														
Measured Inflow														
Sacramento River at Sacramento	94	988	943	1,338	1,230	1,272	1,469	781	790	823	922	963	1,001	12,520
Sacramento Weir Spill to Yolo Bypass	92	0	0	0	0	0	0	0	0	0	0	0	0	0
Yolo Bypass near Woodland	102	1	0	3	6	7	5	0	0	1	0	1	0	24
South Fork Putah Creek near Davis	101	0	1	1	1	1	1	0	0	0	0	0	0	5
Morrison Creek near Sacramento	117	0	0	2	0	1	0	1	0	0	0	0	0	4
Cosumnes River at McConnell	116	0	2	27	15	31	33	34	17	2	0	0	0	161
Dry Creek near Galt	114	0	0	9	2	8	2	1	0	0	0	0	0	22
Mokelumne River at Woodbridge	112	56	17	6	16	4	3	3	3	3	3	3	3	120
Bear Creek near Lodi	111	0	0	2	0	1	0	0	0	0	0	0	0	3
Calaveras River near Stockton	108	0	0	0	0	0	0	1	1	1	1	1	1	6
Stockton Diverting Canal at Stockton	110	0	0	4	3	2	0	0	0	0	0	0	0	9
French Camp Slough near French Camp	106	4	0	8	2	5	3	3	2	2	1	3	6	39
San Joaquin River near Vernalis	103	138	98	148	192	155	85	62	46	35	30	33	93	1,115
Marsh Creek near Byron	121	0	0	0	0	0	0	0	0	0	0	0	0	0
Precipitation		7	43	217	43	55	5	48	6	10	0	0	32	466
TOTAL WATER SUPPLY		1,194	1,104	1,765	1,510	1,542	1,606	934	865	877	957	1,004	1,136	14,494
WATER UTILIZATION														
Consumptive Use in Delta Lowlands		97	58	32	36	53	79	118	137	182	214	203	146	1,355
Exportations														
Delta-Mendota Canal	118	176	138	119	64	187	240	210	250	198	260	270	234	2,346
Contra Costa Canal	119	7	5	6	4	4	6	10	13	14	11	13	12	105
City of Vallejo	135	1	1	1	1	1	1	1	2	2	2	2	1	16
California Aqueduct	120	52	34	23	33	26	160	156	125	97	36	135	168	1,045
Delta Uplands Diversions*		23	4	3	1	1	12	34	60	69	80	74	47	408
TOTAL WATER UTILIZATION		356	240	184	139	272	498	529	587	562	603	697	608	5,275

*Measurement of Delta Uplands diversions was discontinued in 1970. Quantities shown are the 10-year average from 1961 through 1970.

TABLE B-4

STREAMFLOW MEASUREMENTS
AT MISCELLANEOUS SITES

This table shows the discharge rate on various streams at locations other than those where continuous recorders are maintained.

TABLE B-4

STREAMFLOW MEASUREMENTS AT MISCELLANEOUS SITES

Stream	Location		Measurements	
	Latitude	Longitude	Date	Discharge (cfs)
Antelope Creek at Rocklin (Sunset Boulevard)	38°47'20"	121°15'00"	8-23-72	1.83
Auburn Ravine near Ophir (50 feet above treatment plant discharge)	38°53'30"	121°07'23"	8-23-72	79.36
Dry Creek at Roseville (above treatment plant)	38°44'05"	121°18'10"	8-23-72	20.03
Dry Creek at Roseville (below treatment plant, Cook-Riolo Road)	38°44'13"	121°21'50"	8-23-72	20.77
Linda Creek at Orangevale (Cherry Road)	38°42'40"	121°12'32"	8-23-72	1.01
Miners Ravine near Folsom (Dick Cook Road)	38°45'07"	121°10'25"	8-23-72	0.53
Old River at Head	37°48'29"	121°19'46"	10- 6-71	659 *
Rock Creek near Auburn (above treatment plant)	38°57'50"	121°06'33"	8-23-72	1.87
Rock Creek near Auburn (below treatment plant)	38°57'50"	121°06'33"	8-23-72	2.01
San Joaquin River above Old River	37°48'27"	121°19'28"	10- 6-71	1,345 *
Secret Ravine at Rocklin (Rocklin R Road)	38°57'55"	121°13'10"	8-23-72	8.51

* The flows shown are mean flow for a period of 10 hours from 0830 to 1830.

TABLE B-5

DAILY MEAN DISCHARGE

The streamflow table for each stream or stream system is arranged in downstream order. Stations on a tributary entering between two main stem stations are listed between those stations, and in downstream order on that tributary. A stream gaging station is named after the stream and the nearest post office (Feather River at Yuba City) or well-known landmark (San Joaquin River at Brandt Bridge).

The discharge estimated for periods of no record or invalid record are shown with the letter "E". Also qualified by the letter "E" are discharges obtained from extended ratings which exceed 140 percent of the highest measured flow-rate on which the rating curve was based.

The discharge figures in this table have been rounded off as follows:

Daily Flows - Second-Feet

0.0	- 9.9	nearest	Tenth
10	- 999	"	Unit
1,000	- 9,999	"	Ten
10,000	- 99,999	"	Hundred
100,000	- 999,999	"	Thousand

Monthly Means - Second-Feet

0.0	- 99.9	nearest	Tenth
100	- 9,999	"	Unit
10,000	- 99,999	"	Ten
100,000	- 999,999	"	Hundred

Yearly Totals - Acre-Feet

0.0	- 9,999	nearest	Unit
10,000	- 99,999	"	Ten
100,000	- 999,999	"	Hundred
1,000,000	- 9,999,999	"	Thousand

The streamflow data received from cooperating agencies do not necessarily adhere to the above criteria.

Daily flow data computed by machines is rounded as listed above. Monthly means, monthly acre-feet, and yearly totals are not rounded in these cases.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1972	A13060	LASSEN CREEK NEAR WILLOW RANCH

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	5.1	3.5	3.3	3.5	6.1	51	46	47	31	8.4	3.6	2.0	1
2	5.0	3.4	2.8	3.3	6.4	68	54	48	32	8.1	3.5	2.0	2
3	5.9	3.8	2.7	3.3	6.7	112	54	50	31	7.7	3.6	2.0	3
4	7.1	4.8	3.1	3.3	7.0	104	59	53	30	7.4	3.6	2.2	4
5	7.2	3.5	3.3	3.3	7.7	111	73	56	28	7.0	3.4	2.7	5
6	6.2	3.9	3.3	3.3	8.2	103	78	58	29	6.8	3.1	2.5	6
7	5.2	3.5	3.5	3.3	8.7	96	77	61	31	6.6	2.9	2.2	7
8	4.4	4.0	3.6	3.3	9.1	88	73	64	30	6.3	3.0	2.1	8
9	3.9	3.0	3.7	3.3	9.6	90	68	57 *	28	6.3	3.0*	2.0	9
10	3.7	3.0	4.0	3.3	10	99	65	52	26	6.4	2.9	2.3	10
11	3.7	2.9	4.0	3.3	10	127	63	49	24	6.4	2.9	2.5	11
12	3.4*	4.5	4.0	3.3	10	137	58	47	23	6.1	2.8	2.2*	12
13	3.2	3.4	4.1	3.3	10	156	55	46	21	5.8	2.9	2.1	13
14	3.2	3.0	4.2	3.3	10	148	57	48	19	5.6	2.9	2.0	14
15	3.2	3.1	4.2	3.3	10	129 *	55	50	17	5.2	3.0	2.0	15
16	3.7	3.5*	4.2	3.3	13	126	57	50	16	4.9	3.2	1.9	16
17	3.7	3.5	4.2	3.3	18	133	51	51	15	4.4	3.4	1.8	17
18	3.5	3.3	4.0	16	13	148	49 *	49	14	4.3	3.4	1.8	18
19	3.6	3.3	4.0	48	14	128	46	47	13	4.4	3.1	1.8	19
20	4.6	3.2	4.0	42	16	113	45	49	13	4.5	3.0	1.9	20
21	4.0	3.1	4.0	41	16	106	45	45	13	4.6	3.0	1.9	21
22	3.6	3.3	4.0	57	13	104	45	42	13 *	4.7	2.8	1.9	22
23	3.5	3.3	3.7	31	12	100	46	38	12	4.6	2.8	1.9	23
24	3.7	3.5	3.7	14	9.5	88	48	36	12	4.3	2.7	1.9	24
25	3.2	3.7	3.7	8.2	10	80	48	35	12	4.2	2.6	1.9	25
26	3.5	3.7	3.7	8.2	12	70	46	34	11	4.1	2.4	4.8	26
27	3.2	4.0	3.7	8.2	49	61	45	32	11	4.1	2.1	13	27
28	2.7	3.8	3.5	7.7	100	55	47	32	8.9	3.9	2.1	4.0	28
29	3.3	4.0	3.5	7.4	85	51	48	32	8.6	3.9	2.0	3.0	29
30	3.8	3.9	3.5	7.0		47	48	33	8.7	3.9	2.0	2.8	30
31	3.3		3.5	6.7		45		32		3.8	2.0		31
MEAN	4.1	3.5	3.7	11.6	17.6	99.2	55.0	45.9	19.4	5.4	2.9	2.6	MEAN
MAX.	7.2	4.8	4.2	57.0	100	156	78.0	64.0	32.0	8.4	3.6	13.0	MAX.
MIN.	2.7	2.9	2.7	3.3	6.1	45.0	45.0	32.0	8.6	3.8	2.0	1.8	MIN.
AC. FT.	252	211	228	711	1012	6097	3271	2822	1153	335	178	157	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
22.6	177	4.64	03	13	1915	1.1	1.80	10	29	0830	16427

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
41 53 02	120 20 27	SE27 47N 14E	392	7.64	1/23/70	JUN 61-DATE	JUN 61-DATE	1961		0.00	LOCAL

Station located at U. S. Highway 395 culvert, approximately 2 mi. SE of Willow Ranch. Tributary to Goose Lake. Stage-discharge relationship affected by ice at times. Small amount of diversion above station. Drainage area is 25.7 sq. mi.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1972	A14100	PINE CREEK NEAR ALTURAS

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	24	19	14	13	34	26	29	34	125	42	21	16	1
2	24	18	16	13	35	74	35	36	125	42	21	16	2
3	24	17	15	13	37	52	34	38	113	41	20	16	3
4	23	17	15	13	38	41	35	41	104	40	20	17	4
5	23	17	20	13	15	35	39	44	97	39	20	17	5
6	23	16	28	13	8.9	31	40	47	95	38	20	16	6
7	22	16	15	13	8.6	29	39	47	109	36	20	16	7
8	22	16	27	13	9.7	29	36	48	102	35	19	16	8
9	22	16	26	13	11	30	34	50	98	34	19	16	9
10	22	15	18	13	13	31	33	53 *	93	33	19 *	16	10
11	21	16	14	13	15	32	33	55	86	32	18	16	11
12	21	17	12	13	20	33	32	57	77	32	18	16	12
13	21 *	16	14	13	22	34	33	60	69	32	18	16 *	13
14	21	16	15	13	17	34	35	64	63	31	18	16	14
15	21	15	13	13	16	34	40	68	57	30	18	15	15
16	21	14	13 *	13	18	35 *	34	77	54	29	18	15	16
17	21	15 *	13	13	18	37	31	84	54	28	18	15	17
18	20	16	13	22	15	39	29	79	55	27	18	15	18
19	20	15	13	57	15	38	29 *	79	57	26	18	15	19
20	21	15	14	17	15	36	28	83	57	26	18	15	20
21	20	15	14	21	15	36	28	72	56 *	26	17	15	21
22	19	14	15	26	15	36	28	66	55	25	17	15	22
23	20	14	13	20	16	35	29	63	53	24	17	15	23
24	19	15	13	18	19	33	31	62	53	24	17	15	24
25	19	15	13	20	20	33	31	62	51	23	17	15	25
26	19	20	12	21	39	31	30	62	49	22	17	19	26
27	19	23	14	23	122	29	31	65	47	22	16	21	27
28	20	27	13	25	48	29	33	74	46	22	16	16	28
29	28	26	13	27	56	28	33	85	44	21	16	15	29
30	22	20	13	28		28	33	106	44	21	16	15	30
31	20		13	31		27		118		21	16		31
MEAN	21.4	17.0	15.3	18.6	25.2	34.7	32.8	63.8	72.9	29.8	18.1	15.9	MEAN
MAX.	28.0	27.0	28.0	57.0	122	74.0	40.0	118	125	42.0	21.0	21.0	MAX.
MIN.	19.0	14.0	12.0	13.0	8.6	26.0	28.0	34.0	44.0	21.0	16.0	15.0	MIN.
AC. FT.	1313	1014	940	1144	1450	2132	1954	3925	4340	1833	1113	946	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
= — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
30.4	243	2.69	02	27	1230	0.2	0.13	07	05	0130	22104

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
41 25 59	120 26 32	SW35 42N 13E	435	3.37	6/2/71	NOV 57-DATE	NOV 47-DATE	1957		0.00	LOCAL

Station located approximately 0.3 mi. N of Pine Creek Boulevard, 6.1 mi. SE of Alturas. Tributary to Pit River. Stage-discharge relationship affected by ice at times. Station discontinued in October 1963, reinstalled April 16, 1964 at a site approximately 2,000 feet downstream. Flow affected by Pine Creek Reservoir. Drainage area is 23.9 sq. mi.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1972	A18350	ASH CREEK AT ADIN

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	43	43	54	38	64 *	738	116	68	30	19	28	9.5	1
2	38	42	46	37	50	733	132	66	28	20	30	14	2
3	35	37	44	30	54	1,460	126	66	30	21	29	15	3
4	33	36	42	25 *	58	1,070	121	65	30	20	29	20	4
5	31	35	47	34	56	832	129	65	29	20	30	23	5
6	30	36	70	38	59	631	123	66	38	17	30	27	6
7	30	35	43	39	76	520	114	64	40	16	30	20	7
8	31	35	41	40	85	441	108	70	40	15	31	17	8
9	31	36	39	37	90	414 *	104	70	33	16	32	16	9
10	32	38	39	36	103	433	100	58 *	25	16	35 *	17	10
11	33	40	39	37	104	410	99	55	25	16	30	19	11
12	34	43	42	40	113	391	107	50	26	16	29	24	12
13	34	48	40	42	120	407	108	48	25	15	29	21 *	13
14	35	45	40	40	128	372	128	41	23	17	29	20	14
15	37	42	39	39	122	313	132	40	22	18	28	20	15
16	45	40	34 *	40	134	281 *	113	42	22	16	28	20	16
17	43	38 *	37	42	139	265	98	46	22	16	26	20	17
18	41	38	39	70	146	257	91	48	22	15	26	20	18
19	41	38	38	146	147	231	87 *	48	22	16 *	24	20	19
20	41	40	35	142	181	211	85	75	22	16	23	21	20
21	40	42	37	348	195	199	83	70	21 *	16	23	22	21
22	39	42	53	1,000	206	198	81	62	20	25	24	23	22
23	40	40	56	927	200	199	80	54	21	31	24	23	23
24	40	41	61	246	188	183	82	48	22	25	19	24	24
25	39	41	65	155	183	189	81	43	21	33	14	26	25
26	39	48	53	116	253	166	78	39	21	26	16	37	26
27	39	56	46	96	692	157	74	36	21	24	20	51	27
28	44	66	39	84	1,850	145	74	34	20	25	18	33	28
29	40	76	42	69	1,510	134	71	32	19	26	18	26	29
30	42	69	39	65		124	71	31	19	28	15	27	30
31	43		39	64		117		31		28	9.6		31
MEAN	37.5	43.5	44.5	134	251	394	99.9	52.6	25.3	20.3	25.1	22.5	MEAN
MAX.	45.0	76.0	70.0	1,000	1,850	1,460	132	75.0	40.0	33.0	35.0	51.0	MAX.
MIN.	30.0	35.0	34.0	25.0	50.0	117	71.0	31.0	19.0	15.0	9.6	9.5	MIN.
AC. FT.	2307	2590	2733	8255	14491	24240	5942	3235	1505	1246	1540	1340	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
95.6	2690	14.18	02	28	2215	7.6	4.59	08	31	2115	69426

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
41 11 54	120 56 30	SW21 39N 9E	2950	14.69	1/24/70	MAR 37-SEP 57 δ SEP 57-DATE	MAR 37-SEP 57 δ SEP 57-DATE	1957		0.00	LOCAL

Station located 300 feet above State Highway 299 bridge. Tributary to Pit River. Stage-discharge relationship affected by ice at times. Flow affected by upstream diversion. Drainage area is 258 sq. mi.

δ - Irrigation season only.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1972	A15150	BURNEY CREEK NEAR BURNEY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	38	28	36	29	50	300	117	84	45	18	12	8.8	1
2	31	27	36	29	64	293	129	80	41	18	13	8.8	2
3	29	26	33	24	44 *	491	125	73	36	17	12	9.3	3
4	28	25	27	46	43	424	119	73	34	16	11	11	4
5	24	25	29	34	45	329	239	76	34	16	12	16	5
6	25	24	43	24 *	47	265	252	77	33	16	12	11	6
7	25	26	32	25	51	242	175	81	33	17	11	11	7
8	21	26	27	24	50	221	151	90	31	17	11	11	8
9	19	27	26	23	46	222	138	86	32	16	12	10	9
10	14	29	26	23	42	270 *	129	78	44	16	12	9.9	10
11	15	35	25	23	42	285	150	75 *	41	16	12 *	12	11
12	18	43	23	26	42	259	162	73	36	17	12	13	12
13	18	61	23	26	46	269	143	74	34	17	12	12	13
14	18 *	47	22	24	48	247	142	76	30	17	12	13	14
15	25	35	21	23	44	223	140	75	30	18	12	11	15
16	25	29	16 *	22	43	216	143	72	25	17	12	11	16
17	24	26	17	24	43	211 *	135	70	27	16 *	12	13	17
18	23	22 *	19	30	43	198	121	68	25	16	12	14	18
19	24	23	19	43	44	182	111	67	24	16	11	13	19
20	30	21	18	59	72	166	105 *	78	24	16	11	14	20
21	30	21	19	128	82	158	101	87	20 *	16	12	14 *	21
22	27	22	54	358	107	240	98	80	19	16	12	13	22
23	30	23	50	398	146	225	95	74	20	16	11	14	23
24	30	28	59	167	263	197	121	68	21	15	11	14	24
25	29	29	52	116	114	235	113	63	21	15	10	14 *	25
26	28	41	41	88	124	179	100	60	21	14	11	30	26
27	28	51	36	79	137	157	94	58	21	13	11	73	27
28	29	52	33	65	406	142	94	57	19	13	9.3	39	28
29	29	63	33	68	486	133	89	54	18	13	7.4	27	29
30	30	46	31	70		125	85	50	17	13	7.6	22	30
31	29		30	65		120		47		13	8.5		31
MEAN	25.6	32.7	30.8	70.4	97.0	233	130	71.7	28.5	15.8	11.2	16.4	MEAN
MAX.	38.0	63.0	59.0	398	486	491	252	90.0	45.0	18.0	13.0	73.0	MAX.
MIN.	14.0	21.0	16.0	22.0	42.0	120	85.0	47.0	17.0	13.0	7.4	8.8	MIN.
AC. FT.	1573	1946	1896	4330	5581	14329	7767	4411	1698	972	688	977	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

WATER YEAR SUMMARY

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
63.6	737	9.88	02	28	2315	7.0	5.65	08	28	1430	46168

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
40 52 18	121 40 58	SW19 35N 3E	4910	15.89	1/23/70	APR 58-DATE	APR 58-DATE	1958		0.00	LOCAL

Station located 300 ft. above county road bridge, 0.8 mi. SW of Burney. Tributary to Pit River. Stage-discharge relationship affected by ice at times. Flow affected by upstream diversion. Drainage area is 87.7 sq. mi.

227.13 Km² 56,128 17.91 1.82 958.99 84,114.x² 56,918,228 250,729.6

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1972	A03545	COTTONWOOD CREEK NORTH FORK NEAR IGO

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	11 *	16	37	57	126 *	207	81	63	22	5.6	2.2	0.8	1
2	12	20	54	59	116	402	83	59	22	4.9	2.3	0.9	2
3	11	19	87	58	113	513	75	57	22	4.5	2.2	1.0	3
4	9.9	19	53	52	128	338	74	55	21	4.3	2.0	1.1	4
5	8.5	19	56	51	141	274	86	55	20	4.1	1.9	1.2	5
6	7.7	18	59 *	50	135	208 *	120	55	11	4.0	1.8	1.2	6
7	6.4	17	48	50	124	164 *	110	58	10	3.7	1.8	1.2	7
8	5.3	19 *	38	49	116	150	108	58	23	3.6	1.8*	1.2	8
9	5.1	20	36	48	111	147	104	54	31	3.6	1.7	1.2	9
10	5.4	22	32	47	105	170	99 *	48	30	3.3	1.5	1.4	10
11	4.8	33	31	49	100	174	158	43	23	3.3	1.5	1.4	11
12	5.4	31	99	50	97	161	166	40	18	3.0	1.5	1.5	12
13	5.1	124	51	51	96	150	148	40	13	2.9	1.4	1.5	13
14	5.4	38	42	51	92	136	140	38	11	2.8	1.2	1.4*	14
15	5.0	30	37	50	88	122	136	35 *	9.8	2.4	1.3	1.3	15
16	5.9	28	34	50	86	117	128	33	8.7	2.1	1.5	1.3	16
17	6.9	31	34	50	84	112	122	36	7.4	2.0	1.8	1.2	17
18	7.4	30	34	52	82	105	117	34	7.3	2.0	1.7	1.2	18
19	8.1	27	34	62	81	98	116	33	7.0	2.1*	1.7	1.2	19
20	16	26	34	79	97	88	104	92	6.4	2.3	1.9	1.2	20
21	13	26	52	220	93	81	94	77	5.9	2.7*	2.2	1.2	21
22	12	24	222	341	106	293	89	52	6.1	2.9	1.9	1.2	22
23	16	23	94	337	110	127	91	49	6.4	2.6	1.5	0.9	23
24	13	23	96	207	119	146	87	45	10	2.8	1.3	1.0	24
25	11	21	105	290	113	141	80	44	9.7	2.7	1.4	1.2	25
26	11	36	172	218	125	114	79	40	9.3	2.5	1.2	4.8	26
27	11	43	130	221	118	109	71	38	7.9	2.2	0.8	12	27
28	12	181	85	186	316	102	67 *	35	7.0	2.2	0.8	5.4	28
29	13	81	72	163	264	94	65	33	6.1	2.3	0.8	3.0	29
30	15	42	63	146		87	64	30	5.7	2.3	0.9	2.3	30
31	15		58	137		81		23		2.2	0.9		31
MEAN	9.5	36.2	67.1	113	120	168	102	46.8	13.3	3.0	1.6	1.9	MEAN
MAX.	16.0	181	222	341	316	513	166	92.0	31.0	5.6	2.3	12.0	MAX.
MIN.	4.8	16.0	31.0	47.0	81.0	81.0	64.0	23.0	5.7	2.0	0.8	0.8	MIN.
AC. FT.	584	2156	4124	7004	6906	10336	6073	2880	789	186	96	114	AC. FT.

E* — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
56.8	1480	32.25	03	22	0945	0.7	29.72	08	09	2245	41248

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
40 26 32	122 32 57	NW21 30N 6W	11000	39.45	12/22/64	NOV 56-DATE	NOV 56-DATE	1956		30.60	LOCAL

Station located at county road bridge, 4.4 mi. S of Igo, 4.4 mi. SE of Ono. Tributary to Sacramento River via Cottonwood Creek. Flow affected by upstream diversion and releases from Rainbow Lake. Drainage area is 88.7 sq. mi.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1972	A03595	COTTONWOOD CREEK, SOUTH FORK, NEAR COTTONWOOD

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	2.0	9.9	56	59	84	1.000	129	85	54	6.7			1
2	8.6	10	56	65	71	739	128	83	51	5.5			2
3	7.9	10	52	68	74	1.800	126	81	49	4.8			3
4	7.0	10	43	64	76	1,520	123	83	45	4.5			4
5	6.0	10	37	60	90	896	148	89	40	4.2			5
6	5.7	9.9	50 *	62	96	543 *	225	100	38	3.9			6
7	5.0	9.9	95	58 *	88	394	199	110	36	3.5			7
8	4.7	9.9	64	60	87	321	175	107	36	3.3			8
9	4.6	10	53	58	87	296	161	100	38	3.0			9
10	4.3	10	59	56	86	317	145 *	92	42	2.7			10
11	4.1	17	57	53	84	302	151	86	37	2.4	N	N	11
12	3.8	29	58	52	84	282	161	82	31	2.0			12
13	3.4	39	52	58	88	282	150	81	27	1.5	O	O	13
14	3.2	40	43	71	95	266	142	83	25	1.0		*	14
15	3.2	29	41	67	103	233	145	87 *	23	0.6			15
16	3.6	22	40	63	106	223	150	87	22	0.5	F	F	16
17	3.7	17	36	61	103	233	145	86	20	0.1			17
18	4.1	16	36	62	97	239	135	75	19	0.0	L	L	18
19	4.7	15	38	97	93	225	128	71	17	0.0 *			19
20	6.3	14	39	175	97	200	122	78	16	0.0	O	O	20
21	7.9	13	43	257	108	186	115	86	15	0.0 *	W	W	21
22	9.0	14	58	664	110	195	111	73	13	0.0			22
23	9.9	14	155	2,550	114	197 *	107	63	13	0.0			23
24	9.9	14	112	837	121	178	110	58	14	0.0			24
25	9.0	14	104	371	124	254	107	55	14	0.0			25
26	8.2 *	17	89	236	129	218	102	53	12	0.0			26
27	8.2	64	91	180	267	186	96	52	11	0.0			27
28	8.2	96	82	144	968	169	91 *	53	10	0.0			28
29	8.2	104	66	117	2,400	155	90	56	8.8	0.0			29
30	9.0	74	62	100		143	88	58	7.6	0.0			30
31	9.9		57	92		135		56					31
MEAN	6.2	25.4	62.1	223	211	397	133	77.7	26.1	1.6			MEAN
MAX.	9.9	104	155	2550	2400	1800	225	110	54.0	6.7			MAX.
MIN.	2.0	9.9	36.0	52.0	71.0	135	88.0	52.0	7.6	0.0			MIN.
AC. FT.	383	1511	3816	13720	12159	24450	7944	4778	1556	100			AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
\# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
97.0	3480	5.76	01	23	0630	0.0		7	18	0015	70417

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
40 18 58	122 26 52	SE32 29N 5W	14000	12.15	1/23/70	APR 58-DATE	APR 58-DATE	1958		0.00	LOCAL

Station located at Bowman Road bridge, 11 mi. SW of Cottonwood. Tributary to Sacramento River via Cottonwood Creek. Flow affected by upstream diversion. Drainage area is 217 sq. mi.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1972	A03460	REDBANK CREEK NEAR REDBLUFF

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1			0.0	6.4	7.2	8.0	1.4						1
2			0.0	6.3	6.0	7.7	1.3						2
3			0.0	5.3	6.1	7.3	1.3	*			*		3
4			0.0	4.3	6.8	7.1	1.2						4
5			0.0	3.9	12	6.7	1.2						5
6			0.0*	3.7	18	6.4*	1.6						6
7			0.0	3.5*	13	5.4	1.4						7
8		*	0.0	3.5	11	4.6	1.2						8
9			0.0	3.4	8.7	4.0	1.1						9
10			0.0	3.3	7.5	3.7	1.1						10
11	N	N	0.0	3.3	6.9	3.5	1.2	N	N	N	N	N	11
12			0.0	3.3	6.4	3.3	1.2						12
13	O	O	0.0	3.3	5.9	3.1	1.2	O	O	O	O	O	13
14			0.0	3.3	5.4	3.0	1.0						14
15			0.0	3.2	5.1	2.8	0.9						15
16	F	F	0.0	3.2	4.6	2.7	0.8	F	F	F	F	F	16
17			0.0	3.3	4.5	2.6	0.7						17
18	L	L	0.0	3.3	4.3	2.4	0.7	L	L	L	L	L	18
19			0.0	3.4	4.1	2.3	0.6						19
20	O	O	0.0	3.7	4.0	2.2	0.6	O	O	O	O	O	20
21	W	W	0.0	4.3	4.0	2.1	0.5	W	W	W	W	W	21
22			5.2	5.0	4.1	2.2	0.4						22
23			15	8.1	5.0	2.2	0.4						23
24			11	8.9	5.1	2.1	0.4						24
25			14	8.3	4.9	2.0	0.3						25
26			13	8.3	5.0	1.9	0.2						26
27			22	9.5	5.0	1.8	0.1						27
28			20	10	6.2	1.7	0.0						28
29			13	9.5	7.6	1.6*	0.0		*				29
30			8.8	8.0		1.5	0.0						30
31			7.3	7.6		1.4							31
MEAN			4.2	5.3	6.7	3.5	0.8						MEAN
MAX.			22.0	10.0	18.0	8.0	1.6						MAX.
MIN.			0.0	3.2	4.0	1.4	0.0						MIN.
AC. FT.			256	326	386	217	48						AC. FT.

E – ESTIMATED
NR – NO RECORD
* – DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
≠ – E AND *

WATER YEAR SUMMARY

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
1.7	23	4.42	12	27	0545	0.00	3.50	10	01	0000	1233

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
40 05 25	122 24 45	SE22 26N 5W	9729	10.06	1/5/65	FEB 48-JUL 49 δ MAY 50-MAY 56 NOV 56-DATE	FEB 48-JUL 49 δ MAY 50-MAY 56 NOV 56-DATE	1956		0.00	LOCAL

Station located at Briggs Road bridge, 11 mi. SW of Red Bluff. Flow affected by upstream diversion. Drainage area is 93.5 sq. mi.

δ - Irrigation season only.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1972	402700	SACRAMENTO RIVER AT VINA BRIDGE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	10,400	6,890	8,520	8,780	10,800	17,700	8,780	12,500	11,300	14,200	11,500	9,390	1
2	10,100	6,810	8,410	8,710	10,500	15,000	9,550	11,900	11,500	14,200	11,400	8,800	2
3	10,200	7,020	8,800	8,580	10,300	25,500	9,980	11,800	11,400	14,300	11,400	8,770	3
4	10,100	6,870	9,250	8,490	10,400	27,100	9,830	11,800	11,400	13,700	11,100	8,770	4
5	10,000	6,850	8,680	8,400	10,800	24,700	10,300	12,100	11,300	13,200	10,400	8,740	5
6	10,100	6,870	8,710	8,380	11,300	22,900	13,600	12,800	11,400	13,000	10,100	8,750	6
7	10,000	6,830	8,750	8,300	11,600	21,500	12,800	12,500	11,300	13,000	10,000	8,760	7
8	9,840	6,790	8,540 *	8,300	11,000	20,800 *	12,000	12,800	11,500	13,000	9,980	8,730	8
9	8,930	6,810	8,380	8,280	10,700	20,400	11,700	12,600	11,700	13,000	9,990	8,590	9
10	8,620	6,850	8,480	8,230	10,500 *	19,800	11,400	12,100 *	12,300	13,000	9,980	8,370	10
11	8,300	6,940	8,400	8,160	10,400	20,400	11,700	11,900	12,000	13,000	9,920	8,450	11
12	7,910	7,410	8,640	7,990	10,100	20,000	13,500	11,700	11,900	12,900	10,000	8,390	12
13	7,820	7,470	9,250	7,370 *	9,430	19,300	15,100	11,400	11,700	13,000 *	9,960	8,320 *	13
14	7,580 *	7,620	8,620	7,370	9,380	19,300	13,100	11,200	11,600 *	12,600	10,100	8,000	14
15	7,310	7,160	8,510	7,370	9,160	18,500	12,500	11,300	11,500	12,400	9,980	7,850	15
16	7,150	6,820	8,420	7,360	8,370	19,000	12,400	11,600	11,500	12,200	10,100 *	7,560	16
17	6,770	7,040 *	8,300	7,370	8,290	19,600	12,100	11,300	11,700	11,900	9,910	7,530	17
18	6,700	7,840	8,240	7,400	8,310	20,000	11,400	11,200	12,100	11,600	10,100	7,980	18
19	6,750	7,810	8,300	7,540	8,240	18,400	11,600 *	11,200	12,400	11,500	10,000	9,230	19
20	6,740	7,910	8,230	7,870	8,230	12,300	12,200	11,600	12,000	11,500	9,740	8,920	20
21	6,810	7,860	8,250	8,870	8,410	9,900	12,200	12,400	12,200	11,500	9,660	7,840	21
22	6,790	7,810	16,400	14,500	8,610	9,830	12,800	12,100	12,600	11,500	9,630	7,180	22
23	6,890	7,800	15,100	20,900	9,160	12,400	12,700	11,700	13,100	11,600	9,580	7,030	23
24	6,930	7,890	11,100	14,700	12,700	10,600	13,000	11,600	13,200	11,600	9,590	7,090	24
25	6,880	7,900	12,900	11,500	12,200	11,300	12,800	11,500	13,200	11,500	9,600	7,020	25
26	6,670	8,010	11,200	12,000	13,300	10,900	11,700	11,300	13,200	11,400	9,560	7,200	26
27	6,740	8,330	11,300	11,000	13,200	10,100	11,300	11,300	13,100	11,500	9,670	7,940	27
28	6,700	8,900	10,200	11,300	13,200	9,680	11,200	11,100	13,600	11,500	9,600	8,020	28
29	6,770	9,830	9,470	11,000	26,500	9,330	11,800	11,200	14,200	11,500	9,680	7,640	29
30	6,890	9,030	9,250	11,100		9,110	12,100	11,100	14,100	11,600	9,580	7,490	30
31	6,950		8,990	11,000		8,870		11,100		11,500	9,650		31
MEAN	7,946	7,532	9,535	9,616	10,865	16,587	11,904	11,732	12,200	12,383	10,047	8,145	MEAN
MAX.	10,400	9,830	16,400	20,900	26,500	27,100	15,100	12,800	14,200	14,300	11,500	9,390	MAX.
MIN.	6,670	6,790	8,230	7,360	8,230	8,870	8,780	11,100	11,300	11,400	9,560	7,020	MIN.
AC. FT.	488608	448205	586294	591312	624972	1019940	708376	721388	725950	761454	617772	484661	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
10715.5	36500	74.92	02	29	1200	6180.0	66.28	11	17	0730	7778931

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 54 34	122 05 31	NE28 24N 2W	171,000	91.48	1-24-1970	APR 45-DATE	APR 45-DATE	1945		100.00	USED
								1945		97.15	USCGS

Station located 250 ft. above Vina-Corning Highway Bridge, 2.6 mi. SW of Vina. The maximum discharge of record is for the main river channel and does not include water by-passing the station on the left bank. Flow regulated by Shasta Lake since December 30, 1943. Approximately 190,000 acre-feet diverted from the river between Keswick and Vina in addition to diversions from the tributaries. Trans-basin diversions from the Trinity River to Whiskeytown Reservoir via Judge Francis Carr Powerplant began in Apr. 1963. Drainage area, excluding Goose Lake Basin, is approximately 10,930 sq. mi.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1972	A02630	SACRAMENTO RIVER AT HAMILTON CITY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	10,300	6,780	8,490	8,990	10,800	19,200	7,790	10,100	8,900	11,600	9,030	7,500	1
2	9,840	6,650	8,410	8,890	10,700	15,200	8,260	9,750	9,180	11,600	8,940	7,060	2
3	9,890	6,780	8,730	8,790	10,500	22,700	8,800	9,500	9,090	11,700	8,920	7,030	3
4	9,810	6,640	9,340	8,680	10,400	26,900	8,830	9,470	9,080	11,400	8,830	7,030	4
5	9,670	6,620	8,920	8,610	10,700	24,900	8,970	9,580	9,080	10,700	8,170	7,030	5
6	9,640	6,620	8,820	8,590	11,300	23,100	12,000	10,400	9,100	10,600	7,930	7,060	6
7	9,550	6,600	8,960	8,520	11,700	21,700	11,800	10,200	9,060	10,500	7,860	7,010	7
8	9,500	6,590	8,820 *	8,460	11,200	21,000 *	10,800	10,400	9,190	10,500	7,760	7,040	8
9	8,640	6,630	8,710	8,470	10,800	20,500	10,400	10,400	9,390	10,500	7,760	7,060	9
10	8,240	6,650	8,700	8,430	10,700 *	19,900	10,000	9,890 *	9,890	10,600	7,730	6,890	10
11	8,120	6,690	8,680	8,370	10,500	20,500	9,950	9,650	9,850	10,500	7,770	6,960	11
12	7,710	7,070	8,810	8,300	10,400	20,100	11,500	9,140	9,680	10,600	7,740	7,100	12
13	7,560	7,160	9,370	7,710 *	9,670	19,500	13,200	9,170	9,510	10,500 *	7,730	7,160 *	13
14	7,330 *	7,350	8,970	7,690	9,590	19,400	11,500	9,040	9,380 *	10,300	7,750	6,920	14
15	7,200	7,050	8,700	7,690	9,550	18,400	10,700	9,100	9,300	9,900	7,730	6,930	15
16	7,010	6,720	8,690	7,680	8,850	18,400	10,400	9,090	9,240	9,830	7,700 *	6,650	16
17	6,800	6,730 *	8,580	7,690	8,680	18,900	10,000	9,040	9,330	9,540	7,740	6,630	17
18	6,710	7,500	8,520	7,730	8,670	19,200	9,460	9,110	9,710	9,170	7,700	6,830	18
19	6,730	7,520	8,560	7,820	8,650	18,000	9,360 *	9,060	9,970	9,170	7,850	7,970	19
20	6,720	7,630	8,490	8,050	8,640	12,400	9,940	9,370	9,680	9,130	7,590	7,950	20
21	6,810	7,590	8,500	8,650	8,760	9,330	9,830	10,200	9,770	9,100	7,560	7,230	21
22	6,820	7,590	13,600	13,700	8,970	8,920	10,400	10,100	10,100	9,090	7,560	6,660	22
23	6,830	7,590	16,800	19,300	9,170	10,800	10,500	9,900	10,600	9,160	7,490	6,490	23
24	6,870	7,700	11,200	15,800	12,000	9,770	10,600	9,760	10,700	9,200	7,500	6,460	24
25	6,870	7,720	12,800	11,800	12,900	9,930	10,700	9,670	10,800	9,210	7,490	6,500	25
26	6,730	7,860	11,300	12,000	12,600	10,000	9,730	9,440	10,700	9,090	7,470	6,600	26
27	6,720	8,010	11,300	11,100	13,900	9,270	9,190	9,240	10,700	9,100	7,530	7,130	27
28	6,660	8,500	10,400	11,500	12,700	8,900	9,070	9,130	10,800	9,090	7,540	7,450	28
29	6,680	9,380	9,680	11,000	24,500	8,560	9,440	9,030	11,600	9,180	7,540	7,140	29
30	6,810	8,990	9,450	11,200		8,210	9,750	8,950	11,500	9,110	7,540	7,020	30
31	6,820		9,210	11,000		7,980		8,900		9,090	7,540		31
MEAN	7,793	7,297	9,661	9,748	10,948	16,179	10,095	9,541	9,829	9,960	7,838	7,016	MEAN
MAX.	10,300	9,380	16,800	19,300	24,500	26,900	13,200	10,400	11,600	11,700	9,030	7,970	MAX.
MIN.	6,660	6,590	8,410	7,680	8,640	7,980	7,790	8,900	8,900	9,090	7,470	6,460	MIN.
AC. FT.	479187	434201	594069	599424	629752	994849	600734	586671	584886	612416	481963	417501	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

WATER YEAR SUMMARY

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
9664.1	32700	34.96	02	29	1545	6240.0	28.10	11	17	1200	7015652

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 45 07	121 59 43	NE20 22N 1W	156000	50.77	1/24/70	APR 45-DATE	27-DATE	1927	1945	127.9	USED
								1945		100.0	USED
								1945		96.5	USCGS

Station located at Gianella Bridge, State Highway 32, 1.0 mi. NE of Hamilton City. The maximum discharges of record since Feb. 1940, are for the main river channel and do not include water by-passing the station on the left bank. Flow regulated by Shasta Lake since Dec. 30, 1943. Approximately 950,000 acre-feet diverted from the river between Keswick and Hamilton City in addition to diversions from the tributaries. Transbasin diversions from the Trinity River Whiskeytown Reservoir via Judge Francis Carr Powerplant began in Apr. 1963. Drainage area, excluding Goose Lake Basin, is approximately 11,060 sq. mi.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1972	A04242	MUD CREEK NEAR CHICO

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1		0.0	0.4	3.1	10	14	1.7	2.3	0.0	0.3	0.5	0.2	1
2		0.0*	0.6	2.7	8.2	13	1.6	2.2	0.0*	1.0	0.6	0.2	2
3		0.0	2.7	2.5	6.9	13	1.5	2.0	0.4	1.2	0.4	0.2	3
4	*	0.0	3.6	2.1	7.3	12	1.4	1.7	0.2	0.5	0.6	0.5	4
5		0.0	1.5	1.9	76	10	2.0	1.8	0.0	0.4*	0.5	1.0	5
6		0.0	1.0	1.8	96	8.8	5.8	1.8	0.3	0.1	0.3	0.2	6
7		0.0	0.7	1.7	35	7.6	5.2	1.8	0.4	0.0	0.0	0.0	7
8		0.0	1.0	1.5	19	6.6	4.3	1.7	0.2	0.0	0.4	0.0	8
9		0.0	0.3	1.4	14	5.9	3.5	1.6	0.3	0.0	0.2	0.0	9
10		0.0	0.7	1.3	11	6.0	3.2	1.2	0.2	0.0	0.0	0.0	10
11	N	0.0	0.7	1.3	8.7	5.3	5.4*	0.9	0.0	0.0	0.0	0.0	11
12		0.0	5.3	1.3	7.2	4.8	11	0.6	0.0	0.0	0.0	0.0	12
13	O	1.7	5.5	1.2	6.2	4.3	15	0.3	0.0	0.0*	0.0	0.0*	13
14		0.3	2.5*	1.1	5.6	3.4	12	0.0	0.0	0.0	0.0	0.0	14
15		0.0*	1.7	1.1	5.0*	3.8*	9.6	1.4	0.0	0.0	0.0	0.0	15
16	F	0.0	1.3*	1.1	4.4	2.9	7.7	4.1	0.0	0.0	0.0	0.0	16
17		0.0	1.1	1.1	4.1	2.9	6.9	1.5	0.0	0.0	0.0	0.0	17
18	L	0.0	1.0	1.1	3.7	2.7	6.3	0.1*	0.0	0.0	0.0	0.0	18
19	*	0.0	0.9	1.2*	3.4	2.3	5.2	0.0	0.0	0.0	0.0	0.0	19
20	O	0.0	0.8	1.4	3.4	2.2	4.9	1.1	0.0	0.0	0.0	0.0	20
21	W	0.0	1.1	1.4	3.3	2.1	4.3	4.8	0.0	0.0	0.0	0.0*	21
22		0.0	59	6.3	4.0	4.9	4.1	3.7	0.0*	0.2	0.0*	0.0	22
23		0.0	13	16	4.2	4.8	4.0	1.5	0.3	0.2	0.0	0.0	23
24		0.0	17	9.3	4.0	3.4	4.6	0.8	0.3	0.2	0.0	0.0	24
25		0.0	52	21	6.9	2.9	4.3	0.4	0.2	0.0	0.0	0.0	25
26		0.0	36	19	11	2.5	3.7	0.1	0.1	0.6	0.0	0.0	26
27		0.0	21	194	8.9	2.2	3.2	0.0	0.5	0.2	0.0	0.0	27
28		0.1	12	38	17	2.0*	3.1	0.0	0.4	0.2	0.0	0.0	28
29		1.0	6.8	20	19	1.8	2.8	0.0	0.2	0.4	0.0	0.0	29
30		0.6	5.4	14		1.8	2.6	0.0	0.1	0.1	0.0	0.0	30
31			4.0	12		1.6		0.0		0.4	0.2		31
MEAN		0.1	8.4	12.4	14.3	5.2	5.0	1.3	0.1	0.2	0.1	0.1	MEAN
MAX.		1.7	59.0	194	96.0	14.0	15.0	4.8	0.5	1.2	0.6	1.0	MAX.
MIN.		0.0	0.3	1.1	3.3	1.6	1.4	0.0	0.0	0.0	0.0	0.0	MIN.
AC. FT.		7	517	759	820	320	299	78	8	12	7	5	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
= — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
3.9	408	5.21	01	27	1245	0.0	0.34	10	01	0000	2833

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 47 02	121 53 06	SE5 22N 1E				NOV 64-DATE	NOV 64-DATE	1964		0.00	LOCAL

Station located 0.1 mi. above Old Highway 99E Bridge, 4.9 mi. N of Chico. Tributary to Sacramento River via Big Chico Creek. Includes an undetermined amount of water from Big Chico Creek. Drainage area is 47.5 sq. mi.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1972	A00928	MUD CREEK DIVERSION AT CHICO

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1								0.0	0.0			NR	1
3		*			*	*		0.0	0.0*			NR	2
3								0.0*	0.0			NR	3
4				*			*	0.0	0.0			NR	4
5								0.0	0.0			NR	5
6			*					0.0	0.0			NR	6
7								0.0	0.0			NR	7
8								0.0	0.0			NR	8
9								0.0	0.0			NR	9
10								0.0	18	N	N	NR	10
11	N	N	N	N	N	N	N *	0.0	0.0	O	O	NR	11
12								0.0	0.0			NR	12
13	O *	O	O	O	O	O	O	18	1.8			NR	13
14			*					31	3.0			NR	14
15		*			*	*		24	5.1	R	R	NR	15
16	F	F	F	F	F	F	F	11	3.0	E	E	NR	16
17								0.0	6.4			NR	17
18	L	L	L	L	L	L	L	0.0	0.0	C	C	NR	18
19				*				0.0*	0.0			NR	19
20	O	O	O	O	O	O	O	0.9	5.0	O	O	0.0	20
21	W	W	W	W	W	W	W	17	4.5	R	R	0.0*	21
22								0.0	NR			0.0	22
23								0.7	NR	D	D	0.0	23
24								0.0	NR			0.0	24
25								0.0	NR			0.0	25
26								0.1	NR			0.0	26
27								5.3	NR			0.0	27
28								2.9	NR			0.0	28
29								0.2	NR			0.0	29
30								0.1	NR			0.0	30
31								0.0	NR				31
MEAN								3.6	NR	NR	NR	NR	MEAN
MAX.								31.0	NR	NR	NR	NR	MAX.
MIN.								0.0	NR	NR	NR	NR	MIN.
AC. FT.								221					AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

WATER YEAR SUMMARY

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
NR	NR					NR					NR

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 47 07	121 48 01	SW18 22N 2E				NOV 64-DATE	NOV 64-DATE	1964		0.00	LOCAL

Station located 0.4 mi. above Wildwood Avenue Bridge, 4.0 mi. NE of Chico. This flow is diverted from Lindo Channel into Mud Creek during periods of high water. Crest of diversion weir is at gage height 8.38.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1972	A04250	BIG CHICO CREEK AT CHICO

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	13	19	24	32	49	211	48	46	20	4.8	0.6	1.3	1
2	9.4	18	25	30	47	179	46	43	20	2.7	2.0	1.8	2
3	7.8	19	47	30	46	192	43	41	20	7.5	2.0	2.1	3
4	6.5	18	35	29	47	186	42	39	19	2.0	2.1	2.9	4
5	6.1	18	28	31	68	164	55	38	17	4.4	2.2	6.2	5
6	5.9	18	30	35	101	141	179	38	15	3.6	2.0	3.2	6
7	6.1	19	36	35	105	122	157	38	14	4.3	4.1	3.0	7
8	5.7	19	30	33	97	108	127	37	13	4.0	0.6	2.1	8
9	5.8	20	27	32	91	97	107	36	15	4.2	2.5	3.1	9
10	6.0	22	27	31	85	94	94	38	23	5.4	2.0	3.0	10
11	6.1	29	25	30	79	87	108 *	42	23	2.2	0.6	3.4	11
12	6.2	39	37	29	75	80	180	24	17	1.4*	1.2	4.3	12
13	6.1	37	35	27	72	75	242	13	11	1.9	2.4	4.8	13
14	6.7	35	28 *	26	70	70	204	17	12	2.9	4.7	4.3	14
15	7.7	23 *	27	26	67 *	65 *	182	17	11	2.9	1.2	3.6	15
16	9.8	19	25	26	62	61	165	26	9.0	1.8	3.5	3.4	16
17	11	17	24	27	59	57	148	21	10	3.9	4.2	7.5	17
18	11	16	24	27	55	55	132	22	11	2.5	5.0	3.8	18
19	10 *	16	25	30 *	53	52	115	26 *	11	3.6	5.5	3.7	19
20	12	16	24	43	54	49	100	33	6.4	3.7	4.6	3.7	20
21	12	16	27	49	59	47	87	44	8.5	4.1	6.4	3.6*	21
22	11	16	146	73	74	58	79	33	11 *	4.2	1.1*	3.3	22
23	13	15	119	238	113	84	73	32	12	3.9	1.2	3.4	23
24	16	15	127	138	155	72	77	29	9.3	5.7	2.1	3.5	24
25	15	16	179	104	231	70	72	29	8.6	1.6	2.2*	4.1	25
26	14	17	100	78	222	67	65	22	12	2.9	1.9	6.9	26
27	14	22	70	88	183	62	59	19	7.2	2.3	1.9	13	27
28	14	31	53	62	206	60	55	19	7.3	1.7	4.7	14	28
29	16	33	45	53	255	55	52	20	7.1	2.3	0.5	8.7	29
30	17	28	39	50		51	49	21	5.9	1.9	2.0	6.5	30
31	18		35	49		49		20		9.6	1.6		31
MEAN	10.3	21.5	49.1	51.3	99.3	91.0	104	29.8	12.9	3.5	2.5	4.6	MEAN
MAX.	18.0	39.0	179	238	255	211	242	46.0	23.0	9.6	6.4	14.0	MAX.
MIN.	5.7	15.0	24.0	26.0	46.0	47.0	42.0	13.0	5.9	1.4	0.5	1.3	MIN.
AC. FT.	633	1281	3021	3156	5712	5593	6232	1831	766	218	156	274	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
= — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
39.8	292	5.67	01	23	0400	0.0	3.22	07	02	1345	28873

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 43 38	121 51 43	SE28 22N 1E				JAN 56-DATE	JAN 56-DATE	1956		167.88	USED

Station located 50 ft. above Rose Avenue Highway Bridge, immediately W of Chico. Tributary to Sacramento River. Flow affected by upstream diversion.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1972	A00600	LINDO CHANNEL NEAR CHICO

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1			0.0	0.0	0.0	47	0.0						1
2			0.0	0.0	0.0*	46 *	0.0				*		2
3		*	0.0	0.0	0.0	50	0.0	*					3
4	*		0.0	0.0	0.0	51	0.0*						4
5			0.0	0.0*	0.0	39	0.0		*	*			5
6			0.0*	0.0	5.4	28	23						6
7			0.0	0.0	14	20	30						7
8			0.0	0.0	12	15	19						8
9			0.0	0.0	10	11	12						9
10			0.0	0.0	7.1	9.2	6.7						10
11	N	N	0.0	0.0	3.1	6.1	12 *	N	N	N	N	N	11
12			0.0	0.0	0.5	2.4	41						12
13	O	O	0.0	0.0	0.0	0.2	97	O	O	O *	O	O *	13
14			0.0*	0.0	0.0	0.0	61						14
15		*	0.0	0.0	0.0	0.0*	47						15
16	F	F	0.0	0.0	0.0	0.0	37	F	F	F	F	F	16
17			0.0	0.0	0.0*	0.0	29						17
18	L	L	0.0	0.0	0.0	0.0	21	L *	L	L	L	L	18
19	*		0.0	0.0*	0.0	0.0	16						19
20	O	O	0.0	0.0	0.0	0.0	11	O	O	O	O	O	20
21	W	W	0.0	0.0	0.0	0.0	6.0	W	W	W	W	W *	21
22			147	0.0	0.0	0.0	1.5		*		*		22
23			52	140	0.1	0.0	0.0						23
24			33	44	24	0.0	0 9						24
25			82	25	80	0.0	0.0						25
26			24	13	75	0.0	0.0						26
27			12	19	49	0.0	0.0						27
28			1.3	6.1	44	0.0	0.0						28
29			0.0	0.0	47	0.0	0.0						29
30			0.0	0.0		0.0	0.0						30
31			0.0	0.0		0.0							31
MEAN			11.3	8.0	12.8	10.5	15.7						MEAN
MAX.			147	140	80.0	51.0	97.0						MAX.
MIN.			0.0	0.0	0.0	0.0	0.0						MIN.
AC. FT.			697	490	736	644	934						AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
≠ — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
4.8	590	9.78	12	22	1445	0.0	3.77	10	01	0945	3502

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 43 21	121 54 41	NW31 22N 1E	3710	18.42	1/14/70	JAN 56-DATE	JAN 56-DATE	1956		128.42	USED

Station located 100 ft. below Grape Way Bridge, 4.0 mi. W of Chico. Tributary to Sacramento River via Big Chico Creek. Flow affected by upstream diversion.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1972	A31302	GRINDSTONE CREEK NEAR ELK CREEK

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	17	2.1	39	45	86	637	125	90	46	8.6	1.8	1.1	1
2	8.8	2.7	35	58	64	836	134	91	43	8.2	1.9	0.2	2
3	8.1	2.7	33	76	62	1,330	131	91	40	7.8	2.0	0.2	3
4	8.2	2.2	25	60	97	901	124	95	36	7.3	2.1	0.2	4
5	7.6	2.4	20	49	134	675	169	99	33	6.8*	2.4	0.6	5
6	7.5	2.1	245	45	150	573	228	98	33	5.9	2.1	0.8*	6
7	6.8	2.0	86	51	141	491	198	94	32	5.6	2.3	0.9	7
8	6.0	2.0	45	51	120	437	177	96	30	5.4	1.7	1.5	8
9	5.9	2.4	91	46	109	396	159	87	30	5.0	0.9	0.1	9
10	5.5	2.7	102	42	104	381	146	82	33	4.8	1.0	0.8	10
11	5.8	11	58	41	106	373	164 *	79	30	4.6	1.0	1.7	11
12	4.8	29	50	41 *	124	347	188	78	26 *	4.4	1.0	1.5	12
13	4.3	50	39	54	132	349	176	79	24	3.7	1.0	1.2	13
14	4.0	46	30 *	54	136	305	165	82	24	3.3	1.1	1.6	14
15	4.0	20	39	49	134 *	271 *	187	82	20 *	2.9	1.0	1.9	15
16	3.2	12	29	44	127	267	194	82	20	2.8	1.0	1.6	16
17	2.8	8.6	25	41	112	273	172	84	19	2.7	1.1	1.8	17
18	2.8	5.6	28	57	100	252	155	75	17	2.7	1.3	1.6	18
19	2.7	4.7	30	136 *	97	214	141	76 *	15 *	2.7*	1.3	0.8	19
20	3.4	4.7	29	397	122	193	128	87	15	2.9	1.2	1.2	20
21	3.4	5.2	32	690	122	186	120	88	14	3.0	1.7*	0.5*	21
22	4.2*	6.0	202	1,210	136	215	116	77	14 *	3.2	2.2	1.0	22
23	3.4	5.5	175	1,860	178	192	115	67	14	2.8	2.0	1.1	23
24	4.2	5.0	117	576	329	210	119	64	14	2.5	2.3	1.2	24
25	3.7	5.7	114	359	257	343	109	62	13	2.4	2.4	1.3	25
26	2.9	38 *	92	250	474	228	102	61	13	2.2	2.4	1.0	26
27	3.4	156	87	206	522	205	98	60	12	2.1	1.7	20	27
28	3.2	144	58	154	990	179	98	59	11 *	2.0	1.9	9.0	28
29	2.6	131	44	131	1,210	160	92	56	10	2.2	1.6	1.1	29
30	3.4	74	38	114		146	90	53	9.4	1.9	1.3	1.5	30
31	2.8		34	103		135		50		1.7	1.1		31
MEAN	5.0	26.2	66.8	228	223	377	144	78.2	23.0	4.0	1.6	2.0	MEAN
MAX.	17.0	156	245	1,860	1,210	1,330	228	99.0	46.0	8.6	2.4	20.0	MAX.
MIN.	2.6	2.0	20.0	41.0	62.0	135	90.0	50.0	9.4	1.7	0.9	0.1	MIN.
AC. FT.	310	1558	4108	14063	12843	23207	8569	4808	1369	246	99	117	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
= — E AND *

WATER YEAR SUMMARY

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
98.2	3990	12.10	01	22	2400	0.0	9.83	09	01	1600	71296

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 40 48	122 31 52	SW15 21N 6W				NOV 35-SEP 37 AUG 52-OCT 55 OCT 59-DATE	NOV 35-SEP 37 AUG 52-MAR 57 AUG 59-DATE				

Station located above Chrome Road Bridge, 5.1 mi. N of Elk Creek. Tributary to Sacramento River via Stony Creek. Drainage area is 172 sq. mi.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1972	A02570	SACRAMENTO RIVER AT ORD FERRY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	10,000	6,620	8,450	9,160	10,900	20,300	8,020	10,100	8,790	11,300	8,930	7,390	1
2	9,600	6,490	8,300	9,040	10,700	14,900	8,430	9,950	9,060	11,300	8,860	6,970	2
3	9,640	6,560	8,510	8,940	10,600	17,600	8,930	9,520	9,050	11,400	8,800	6,870	3
4	9,580	6,520	9,080	8,840	10,500	26,100	8,960	9,550	8,980	11,300	8,790	6,860	4
5	9,570	6,410	8,900	8,710	10,600	24,800	8,870	9,500	8,990	10,600	8,200	6,850	5
6	9,380	6,450	8,630	8,690	11,200	22,900	11,100	10,200	8,990	10,500	7,790	6,910	6
7	9,370	6,440	8,860 *	8,610	11,600	21,900 *	11,900	10,100	8,960	10,300	7,720	6,850	7
8	9,350	6,420	8,690	8,590	11,300 *	20,800	11,000	10,300	9,090	10,300	7,630	6,880	8
9	8,670	6,430	8,570	8,560	10,900	20,300	10,600	10,400 *	9,250	10,400	7,570	6,950	9
10	8,260	6,500	8,540	8,510	10,700	19,500	10,200	10,000	9,640	10,400	7,560	6,780	10
11	8,110	6,540	8,540	8,510 *	10,500	19,700	10,000	9,720	9,830	10,400 *	7,610	6,770	11
12	7,700	6,870	8,550	8,460	10,400	19,500	11,000	9,230	9,600	10,400	7,550	6,950 *	12
13	7,480	7,040	9,120	7,960	9,820	19,100	13,100	9,140	9,440 *	10,200	7,600	7,060	13
14	7,240	7,220	8,960	7,780	9,570	18,600	12,000	9,050	9,330	10,200	7,550	6,820	14
15	7,070 *	7,000	8,550	7,740	9,500	18,000	11,100	9,080	9,270	9,800	7,580 *	6,810	15
16	6,860	6,680 *	8,580	7,740	8,950	17,700	10,700	9,160	9,160	9,730	7,530	6,580	16
17	6,680	6,540	8,480	7,720	8,600	18,000	10,400	9,050	9,200	9,500	7,630	6,510	17
18	6,500	7,360	8,420	7,740	8,550	18,200	9,880 *	9,130	9,560	9,110	7,510	6,580	18
19	6,490	7,450	8,440	7,750	8,540	17,600	9,570	9,070	9,820	9,100	7,720	7,690	19
20	6,490	7,560	8,390	7,970	8,470	13,300	10,100	9,260	9,680	9,040	7,460	7,960	20
21	6,570	7,530	8,390	8,440	8,520	9,820	9,980	9,960	9,570	8,980	7,400	7,400	21
22	6,580	7,520	10,800	12,200	8,630	9,050	10,300	10,100	9,790	8,980	7,420	6,610	22
23	6,610	7,540	18,000	16,600	8,790	10,400	10,600	9,880	10,400	9,020	7,360	6,410	23
24	6,630	7,620	11,500	17,100	10,200	10,100	10,700	9,750	10,500	9,050	7,380	6,300	24
25	6,650	7,610	12,600	12,400	12,600	9,610	10,800	9,570	10,600	9,090	7,300	6,360	25
26	6,590	7,760	11,800	11,900	11,300	10,200	10,000	9,460	10,600	9,000	7,350	6,440	26
27	6,490	7,880	11,500	11,400	13,500	9,420	9,380	9,260	10,600	8,950	7,340	6,870	27
28	6,470	8,260	10,900	11,800	12,000	9,000	9,240	9,140	10,500	8,960	7,400	7,390	28
29	6,480	8,980	9,980	11,000	18,500	8,670	9,400	9,010	11,300	9,080	7,360	7,140	29
30	6,580	9,010	9,660	11,100		8,370	9,770	8,930	11,300	8,970	7,480	6,960	30
31	6,610		9,430	11,100		8,170		8,850		8,990	7,370		31
MEAN	7,622	7,160	9,584	9,743	10,549	15,858	10,201	9,529	9,695	9,817	7,702	6,897	MEAN
MAX.	10,000	9,010	18,000	17,100	18,500	26,100	13,100	10,400	11,300	11,400	8,930	7,960	MAX.
MIN.	6,470	6,410	8,300	7,720	8,470	8,170	8,020	8,850	8,790	8,950	7,300	6,300	MIN.
AC. FT.	468694	426069	589329	599127	606823	975094	607001	585957	576892	603669	473593	410420	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
\# — E AND *

WATER YEAR SUMMARY

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
9536.0	26900	52.80	03	04	0845	6190.0	46.37	11	17	1630	6922667

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC.-T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 37 39	121 59 28	SE32 21N 1W	138000	69.8	1/24/70	JAN 48-DATE	21-MAY 27 #	1937	1960	0.00	USED
							FEB 37-MAY 37				
							OCT 37-MAY 39	1960		50.00	USED
							NOV 39-MAY 41 #				
							NOV 41-DATE				

Station located 0.1 mi. below Ord Ferry. Records of flows in excess of 70,000 cubic feet per second are not reliable due to an undetermined amount of water by-passing the station via Butte Basin. Flow regulated by Shasta Lake since Dec. 30, 1943. Approximately 980,000 acre-feet diverted from the river between Keswick and Ord Ferry in addition to diversions from the tributaries. Transbasin diversions from the Trinity River to Whiskeytown Reservoir via Judge Francis Carr Powerplant began in Apr. 1963. Drainage area, excluding Goose Lake Basin, is approximately 12,480 sq. mi.

\# - Flood season only.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1972	A02986	MOULTON WEIR SPILL TO BUTTE BASIN

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1													1
2													2
3													3
4													4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12													12
13													13
14						NO FLOW FOR THE ENTIRE YEAR								14
15													15
16													16
17													17
18													18
19													19
20													20
21													21
22													22
23													23
24													24
25													25
26													26
27													27
28													28
29													29
30													30
31													31
MEAN													MEAN
MAX.													MAX.
MIN.													MIN.
AC. FT.													AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
0.0	0.0		10	1	0000	0.0		10	1	0000	0

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 20 18	122 01 18	SE12 17N 2W				JAN 40-DATE #	JAN 35-DATE #	1935		0.00	USED

Station located west of south end of weir, 4.6 mi. S. of Princeton. Elevation of weir crest is 76.75 ft. USED datum; length of crest is 500 ft.

- Flood season only.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1972	A02981	COLUSA WEIR SPILL TO BUTTE BASIN

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1													1
2													2
3													3
4													4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12													12
13													13
14													14
15						NO FLOW FOR THE ENTIRE YEAR								15
16													16
17													17
18													18
19													19
20													20
21													21
22													22
23													23
24													24
25													25
26													26
27													27
28													28
29													29
30													30
31													31
MEAN													MEAN
MAX.													MAX.
MIN.													MIN.
AC. FT.													AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
0.0	0.0		10	1	0000	0.0		10	1	0000	0

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 14 12	121 59 38	SE17 16N 1W		70.6	3/1/40	JAN 40-DATE #	JAN 35-DATE #	1935		0.00	USED

Station located at north end of weir, 2.0 mi. N of Colusa. Elevation of weir crest is 61.80 ft. USED datum; length of crest is 1,650 ft.

- Flood season only.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1972	A04910	LITTLE CHICO CREEK DIVERSION NEAR CHICO

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1													1
2													2
3													3
4													4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12													12
13													13
14													14
15													15
16					DATA INSUFFICIENT TO COMPUTE DISCHARGE								16
17													17
18													18
19													19
20													20
21													21
22													22
23													23
24													24
25													25
26													26
27													27
28													28
29													29
30													30
31													31
MEAN													MEAN
MAX.													MAX.
MIN.													MIN.
AC. FT.													AC. FT.

E – ESTIMATED
NR – NO RECORD
★ – DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
– E AND ★

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
			1204 E 1186	7.23 7.18	12/22/64 1/ 5/65	JAN 59-DATE					

See Little Chico Creek near Chico for records of stage and location. This is flow diverted from Little Chico Creek, into Butte Creek during periods of high water.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1972	A04265	BUTTE CREEK NEAR DURHAM

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	205	52	134	187	261	626	265	192	95	21	12	8.4	1
2	136	49	137	183	243	555	264	187	89	23	10	7.7	2
3	120	71	185	184	237	793	265	183	88	21	12	7.8	3
4	115	61	158	171	239	738	281	183	90	16	11	9.2	4
5	116	63	137	178	292	637	538	184	83	17	12	8.9	5
6	104	69	149	172	348	559	991	186	81	19	11	8.6	6
7	97	71	184 *	163	329	512 *	639	181	76	20	12	8.9	7
8	90	66	136	154	301 *	479	520	174	76	22	9.4	9.0	8
9	89	68	136	150	285	472	461	161 *	80	24	8.3	6.5	9
10	83	68	132	148	276	533	438	155	115	21	8.2	8.9	10
11	66	97	129	143 *	267	548	496	149	90	18 *	6.8	9.5	11
12	29	244	169	140	259	526	663	150	82	16	7.9	10 *	12
13	32	227	155	141	250	502	706	162	72 *	13	8.2	18	13
14	30	205	146	141	256	480	550	160	46	11	8.6	8.0	14
15	24	136 *	131	145	249	436	527	159	33	8.6	12 *	6.1	15
16	47	123	120	146	215	436	539	157	29	11	11	5.4	16
17	47	123	130	145	234	441	486	164	28	14	11	5.2	17
18	54 *	112	128	143	208	426	423 *	155	32	11	11	4.1	18
19	54	108	121	151	211	397	392	150	26	11	9.7	3.7	19
20	57	109	119	185	241	373	366	190	19 *	10	7.4	3.9	20
21	61	113	120	246	278	358	381	249	12	11	9.0	5.0	21
22	65 *	109	776	517	335	425	389	184	11	11	6.2	4.2	22
23	109	107	504	1,290	367	427	374	170	15	11	5.1	8.9	23
24	106	102	458	531	467	382	372	157	18	9.9	5.7	17	24
25	76	107	564	432	652	403	342	149	18	10	6.2	21	25
26	59	113	347	366	565	380	311	146	15	7.2	7.1	29	26
27	76	167	286	393	489	351	286	144	16	8.2	8.5	65	27
28	54	194	243	317	613	326	252	140	23 *	8.9	7.3	73	28
29	59	190	227	302	918	301	227	124	20	9.5	11	58	29
30	51	170	205	282		286	200	119	19	13	8.9*	64	30
31	53		192	266		274		106		18	9.4		31
MEAN	76.3	116	218	261	340	463	431	163	49.9	14.4	9.2	16.8	MEAN
MAX.	205	244	776	1,290	918	793	991	249	115	24.0	12.0	73.0	MAX.
MIN.	24.0	49.0	119	140	208	274	200	106	11.0	7.2	5.1	3.7	MIN.
AC. FT.	4689	6930	13404	16090	19607	28526	25674	10056	2969	883	563	997	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

WATER YEAR SUMMARY

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
179.6	2050	5.30	01	23	0315	3.5	2.35	09	18	2115	130390

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 40 37	121 46 38	NW17 21N 2E	21300 E	14.55	12/22/64	JAN 58-DATE	JAN 58-DATE	1958		181.01	USED

Station located 0.1 mi. below Ord-Chico Highway Bridge, 2.6 mi. NE of Durham. Tributary to Butte Slough. Flow affected at times by large upstream diversions and imports from West Branch Feather River.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1972	A04280	LITTLE CHICO CREEK NEAR CHICO

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	1.1	1.3	3.0	6.9	9.9	13	4.6	3.9	1.1			0.0	1
2	0.7	1.4	3.2	6.7	9.0	11	4.5	3.8	1.0			0.0	2
3	0.6	1.3	5.7	5.6	7.9	12	4.3	3.4	1.0		*	0.0	3
4	0.5	1.3	5.2	4.2	8.5	12	4.2	3.2	0.9			0.0	4
5	0.3	1.3	4.0	3.9	25	10	6.0	3.2	0.7	*		0.0	5
6	0.3	1.3	3.5	2.1	35	9.0	12	3.4	0.7			0.0	6
7	0.3	1.3	3.4	0.7	23	7.9	9.3	3.4	0.7			0.0	7
8	0.3	1.4	3.2	0.0	17	7.2	8.2	3.3	0.7			0.0	8
9	0.2	1.5	3.2	0.0	14	6.7	8.5	3.2	1.1			0.0	9
10	0.2	1.6	3.4	0.0	12	7.0	7.4	2.7	3.4			0.0	10
11	0.2	2.7	3.2	2.0	9.9	6.4	9.4*	2.6	1.8	N	N	0.0	11
12	0.2	4.4	7.7	3.1	8.6	6.0	24	2.4	1.8	*		0.0	12
13	0.2	4.8	6.0	3.1	7.8	5.7	34	2.1	1.5	O	O	0.0*	13
14	0.2	5.2	4.6*	2.9	7.3	5.3	20	2.0	0.9			0.0	14
15	0.3	2.9*	4.2	3.0	6.8*	5.1*	14	1.9	0.0			0.0	15
16	0.5	2.4	3.8	2.9	6.4	4.9	11	1.8	0.2	F	F	0.0	16
17	0.8	2.3	3.7	2.8	6.0	4.6	9.5	1.8	0.2			0.0	17
18	0.8	2.2	3.6	2.8	5.8	4.5	8.3	1.8	0.1	L	L	0.0	18
19	0.8*	2.1	3.5	3.0*	5.6	4.3	8.4	2.0*	0.1			0.0	19
20	0.9	2.1	3.4	3.5	5.6	4.5	7.7	3.1	0.0	O	O	0.0	20
21	1.1	2.1	3.5	3.7	5.3	4.3	6.6	4.6	0.0	W	W	0.0*	21
22	1.0	2.1	37	15	4.2	6.9	5.9	3.1	0.0*		*	0.0	22
23	1.1	2.1	15	23	4.1	6.9	5.7	2.5	0.0			0.0	23
24	1.1	2.1	19	12	5.7	5.8	6.2	2.2	0.0			0.0	24
25	0.9	2.1	27	25	8.0	5.3	6.0	2.0	0.1			0.0	25
26	1.0	2.3	15	14	11	5.0	5.5	2.0	0.0			0.0	26
27	1.0	2.5	12	35	9.7	4.8	4.8	2.0	0.0			0.0	27
28	0.9	4.4	8.8	17	13	4.7	2.1	1.6	0.0			0.0	28
29	1.1	4.2	8.4	14	16	4.8	3.3	1.4	0.0			0.1	29
30	1.3	3.4	7.9	12		4.6	4.0	1.3	0.0			0.0	30
31	1.4		7.5	11		4.6		1.2					31
MEAN	0.7	2.4	7.8	7.8	10.6	6.6	8.8	2.5	0.6			0.0	MEAN
MAX.	1.4	5.2	37.0	35.0	35.0	13.0	34.0	4.6	3.4			0.1	MAX.
MIN.	0.2	1.3	3.0	0.0	4.1	4.3	2.1	1.2	0.0			0.0	MIN.
AC. FT.	42	143	481	478	611	406	526	156	36				AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
= — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
4.0	101	1.06	12	22	1130	0.0	0.00	01	08	0000	2880

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 44 02	121 46 23	NE29 22N 2E	1790	7.17	12/21/64	JAN 59-DATE	DEC 58-DATE	1958		296.00	USED

Station located above diversion dam 500 ft. S of Stilson Road, 3.6 mi. E of Chico. Tributary to Sacramento River. During periods of high water, flow is diverted via Little Chico Creek Diversion, into Butte Creek. Discharge listed does not include this diversion. Drainage area is 25.4 sq. mi.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1972	A02984	CHEROKEE CANAL NEAR RICHVALE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	4.4	13	40	66	71	63	48	53	54	23	27	23	1
2	8.2	13	40	62	57	59	48	55	39	24	29	22	2
3	11	13	43	59	46	56	36	59	24	23	32	15	3
4	13	12	47	50	45	53	33	55	25	29	33	13	4
5	11	12	45	52	93	50	32	57	46	31	28	39	5
6	11	11	41	53	449	47	47	55	46	28	29	56	6
7	11	10	40 *	53	167	46 *	44	58	42	28	32	40	7
8	9.9	5.1	39	53	90 *	37	38	59	43	27	32	39	8
9	8.3	4.9	39	52	70	44	33	54 *	51	26	30	36	9
10	9.9	11	42	52	60	44	25	58	52	28	31	33	10
11	11	14	42	50 *	54	42	30	65	61	27 *	29	33	11
12	12	20	46	51	47	41	51	68	65	23	27	31 *	12
13	16	33	65	51	44	42	74	44	50 *	17	33	35	13
14	17	38	50	52	41	41	69	46	45	17	35	29	14
15	17	36 *	46	51	38	40	59	45	38	25	27 *	25	15
16	18	31	45	51	36	39	49	46	41	28	32	24	16
17	7.4	27	42	51	34	36	44	45	46	30	37	25	17
18	3.2*	23	40	52	33	36	53 *	42	54	31	35	26	18
19	2.4	22	42	52	31	36	50	50	43	31	35	37	19
20	9.8	21	43	57	42	36	48	50	42	31	33	23	20
21	17	22	42	58	55	35	54	72	45	29	30	16	21
22	14	24	119	59	61	40	60	64	23	25	33	13	22
23	14	26	143	74	40	47	68	75	10	25	49	11	23
24	13	25	91	67	31	40	61	70	13	33	52	11	24
25	14	26	445	67	28	38	53	56	18	32	45	8.9	25
26	14	27	211	107	55	36	60	51	28	31	46	3.1	26
27	13	30	115	486	61	26	63	49	26	28	42	2.6	27
28	13	38	143	273	60	34	21	36	25	26	39	2.3	28
29	14	44	93	133	66	34	45	33	21	25	25	2.2	29
30	13	40	94	99		34	58	50	20	25	21	2.8	30
31	12		75	82		43		56		26	24		31
MEAN	11.7	22.4	79.0	83.1	69.1	41.8	48.5	54.1	37.9	26.8	33.3	22.6	MEAN
MAX.	18.0	44.0	445	486	449	63.0	74.0	75.0	65.0	33.0	52.0	56.0	MAX.
MIN.	2.4	4.9	39.0	50.0	28.0	26.0	21.0	33.0	10.0	17.0	21.0	2.2	MIN.
AC. FT.	719	1333	4856	5107	3977	2569	2884	3324	2253	1650	2047	1343	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
≠ — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
44.2	1100	6.91	01	27	1600	1.5	1.98	10	19	2215	32062

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 27 53	121 44 37	NW34 19N 2E	15,200 E	13.80	10-13-62	JUL 60-DATE	JUL 60-DATE	1960		88.20	USCGS

Station located at Butte City Road Bridge, 2.1 miles S of Richvale. Backwater from Cherokee Dam weir, 1.05 miles below station, at times affects the stage-discharge relationship.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1972	A02967	BUTTE SLOUGH AT OUTFALL GATES

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	206	77	450	242	0.0	35	0.0	150	0.0	84	219	1
2	65	187	229	423	216	0.0	41	0.0	38	0.0	85	236	2
3	67	189	230	423	181	0.0	198	0.0	0.0	0.0	87	253	3
4	76	141	216	357	159	0.0	373	0.0	0.0	0.0	89	255	4
5	67	116	188	274	144	0.0	276	0.0	0.0	0.0	90	255	5
6	50	119	223	262	159	0.0	254	0.0	0.0	0.0	101	256	6
7	72	122	223	242	195	0.0	147	0.0	0.0	105	107	270	7
8	67	129	223	202	216	0.0	246	0.0	0.0	0.0	111	280	8
9	103	136	235	195	230	0.0	300	64	0.0	0.0	115	282	9
10	152	136	248 *	209	209	0.0	295	205	0.0	0.0	117	289	10
11	152	134	235	223	195 *	0.0	290	226 *	0.0	0.0	118	296	11
12	174 *	246	242	230	202	0.0	268	268	132	0.0	119	287	12
13	160	286	223	248	223	0.0	145	401	320	0.0	116	292	13
14	136	311	195	262 *	242	0.0	132	507	240	0.0	115	342 *	14
15	160	292	235	286	286	0.0	266	517	149 *	0.0	115	464	15
16	172	282	235	298	328	0.0	336	531	92	0.0	118	456	16
17	187	240	202	352	374	0.0	392	534	47	0.0	125 *	464	17
18	212	219 *	202	552	346	0.0	379	524	0.0	0.0	133	456	18
19	225	181	202	635	311	0.0	318	517	0.0	0.0	132	417	19
20	233	183	216	537	292	0.0	161	528	0.0	0.0	131	332	20
21	244	178	216	455	292	114	46	571	0.0	0.0	165	290	21
22	246	147	223	312	311	328	12	654	0.0	0.0	243	307	22
23	251	111	21	0.0	316	311	0.0	761	0.0	0.0	236	310	23
24	249	111	0.0	0.0	286	230	0.0	811	0.0	22	246	307	24
25	249	108	117	25	35	352	0.0	830	0.0	31	269	324	25
26	246	107	106	286	126	280	0.0	793	0.0	30	278	339	26
27	256	101	311	280	70	316	0.0	755	0.0	29	262	307	27
28	242	92	340	304	70	303	0.0	617	0.0	29	247	271	28
29	233	76	465	369	73	103	0.0	477	0.0	32	233	254	29
30	222	53	497	346		110	0.0	283	0.0	131	211	259	30
31	214		465	274		66		154		142	206		31
MEAN	167	165	227	300	218	81.1	164	372	38.9	17.8	155	312	MEAN
MAX.	256	311	497	635	374	352	392	830	320	142	278	464	MAX.
MIN.	0.0	53	0.0	0.0	35	0.0	0.0	0.0	0.0	0.0	84	219	MIN.
AC. FT.	10280	9796	13960	18470	12550	4984	9739	22860	2317	1093	9529	18580	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
\# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
185	NR					NR					134,200

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 11 44	121 56 04	NE35 16N 1W				JUN 24-OCT 38 ŏ JAN 39-DATE	JUNE 24-DATE			0.00	USED

Station located 4.0 mi. E of Colusa, 3.7 mi. N of Meridian. Tributary to Sacramento River. Flow regulated by gravity culverts. During the summer months these flows, together with the flow of Butte Slough near Meridian and Wadsworth Canal near Sutter are made up almost entirely of return water from lands irrigated by Feather River diversions.

ŏ - Irrigation season only.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1972	A02965	RECLAMATION DISTRICT 70 DRAINAGE TO SACRAMENTO RIVER

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0		0.0	0.0	4.6	0.0	20	33	20	20	12	1
2	0.0	2.4		0.0	0.0	13	0.0	20	49	20	20	18	2
3	0.0	2.4		0.0	0.0	12	0.0	20	60	20	20	17	3
4	0.0	2.4		0.0	0.0	11	0.0	20	49	20	20	17	4
5	0.0	2.4		0.0	0.0	11	0.0	20	38	20	20	16	5
6	0.0	2.4		0.0	0.0	24	0.0	20	52	20	20	25	6
7	0.0	2.4		0.0	0.0	23	0.0	20	56	20	20	34	7
8	0.0	2.4		0.0	0.0	25	26	20	45	20	27	31	8
9	0.0	2.4		0.0	0.0	22	12	20	43	20	31	30	9
10	0.0	2.4	N	0.0	0.0	14	17	42	43	20	33	28	10
11	0.0	2.4	O	0.0	0.0	14	14	52	51	20	33	29	11
12	0.0	2.4		0.0	0.0	12	0.0	38	69	20	33	29	12
13	3.2	2.4		0.0	0.0	13	9.5	36	54	20	33	27	13
14	12	0.0		2.4	0.0	14	0.0	35	60	20	32	25	14
15	9.5	0.0	F	2.9	0.0	26	0.0	35	58	20	24	34	15
16	7.1	0.0	L	3.1	0.0	36	0.0	20	46	20	20	39	16
17	4.7	0.0		3.1	0.0	36	0.0	20	52	20	20	37	17
18	4.7	2.4	O	0.0	0.0	37	20	20	49	20	20	26	18
19	4.7	2.4		0.0	0.0	37	11	20	39	20	20	30	19
20	4.7	2.4	W	0.0	0.0	62	14	20	34	20	20	28	20
21	4.7	0.0		0.0	0.0	55	0.0	70	36	20	20	39	21
22	4.7	0.0		0.0	0.0	76	0.0	69	41	20	33	32	22
23	0.0	0.0		0.0	0.0	50	0.0	63	37	20	38	30	23
24	0.0	0.0		0.0	0.0	39	0.0	71	30	20	38	21	24
25	0.0	0.0		0.0	0.0	50	0.0	63	23	20	32	15	25
26	0.0	0.0		0.0	18	51	0.0	39	25	20	32	7.4	26
27	0.0	0.0		0.0	0.0	49	0.0	20	30	20	32	7.4	27
28	2.4	0.0		0.0	0.0	39	0.0	20	30	20	32	15	28
29	2.4	0.0		0.0	0.0	39	0.0	20	30	20	32	0.0	29
30	2.4	0.0		0.0		39	0.0	20	50	20	32	3.7	30
31	2.4			0.0		39		20		20	32		31
MEAN	2.2	1.2		0.4	0.6	31.4	4.1	32.0	43.7	20.0	27.1	23.4	MEAN
MAX.	12	2.4		3.1	18	76	26	71	69	20	38	39	MAX.
MIN.	0.0	0.0		0.0	0.0	4.6	0.0	20.0	23	20	20	0.0	MIN.
AC. FT.	138	71		24	36	929	245	1970	2602	1230	1664	1393	AC. FT.

E — ESTIMATED
NR — NO RECORD
★ — DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
— E AND ★

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
15.6	NR					NR					10302

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 04 08	121 51 43	NE16 14N 1E				MAY 24-OCT 38 8 JAN 39-DATE					

Plant located 1.7 mi. E of Grimes. This is drainage returned by pumping and gravity. Plant also discharges additional unmeasured flows to irrigation canals.

8 - Irrigation season only.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1972	A02960	TISDALE WEIR SPILL TO SUTTER BYPASS

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1						0.0							1
2						0.0							2
3						0.0							3
4						0.0							4
5						98							5
6						61							6
7						0.0							7
8						0.0							8
9						0.0							9
10						0.0							10
	N	N	N	N	N		N	N	N	N	N	N	
11						0.0							11
12	0	0	0	0	0	0.0	0	0	0	0	0	0	12
13						0.0							13
14						0.0							14
15						0.0							15
	F	F	F	F	F		F	F	F	F	F	F	
16						0.0							16
17	L	L	L	L	L	0.0	L	L	L	L	L	L	17
18						0.0							18
19	0	0	0	0	0	0.0	0	0	0	0	0	0	19
20						0.0							20
	W	W	W	W	W		W	W	W	W	W	W	
21						0.0							21
22						0.0							22
23						0.0							23
24						0.0							24
25						0.0							25
26						0.0							26
27						0.0							27
28						0.0							28
29						0.0							29
30						0.0							30
31						0.0							31
MEAN						5.1							MEAN
MAX.						98							MAX.
MIN.						0.0							MIN.
AC. FT.						315							AC. FT.

E – ESTIMATED
NR – NO RECORD
* – DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
# – E AND *

WATER YEAR SUMMARY

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
0.4	282	45.65	3	5	2345	0.0					315

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 01 36	121 49 16	NE35 14N 1E	25700	53.3	3/1/40	JAN 40-DATE #	JAN 35-DATE #	1935		0.00	USED

Station located west of north end of weir, 5.0 mi. SE of Grimes. See Sacramento River at Tisdale Weir for stage records. Elevation of weir crest is 45.45 ft. USED datum; length of crest is 1,155 ft. Backwater from Sutter Bypass at times affects stage-discharge relationship.

- Flood season only.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1972	A02933	RECLAMATION DISTRICT 108 DRAINAGE TO SACRAMENTO RIVER

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	80	0.0	0.0	0.0	0.0	0.0	106	315	268	208	241	317	1
2	0.0	0.0	0.0	0.0	0.0	0.0	165	317	268	312	261	322	2
3	0.0	0.0	0.0	102	0.0	0.0	0.0	268	251	208	307	432	3
4	0.0	0.0	0.0	0.0	139	0.0	0.0	265	322	312	312	409	4
5	102	76	0.0	0.0	0.0	96	158	322	268	208	271	353	5
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	320	317	254	426	370	6
7	0.0	0.0	0.0	102	0.0	0.0	132	559	268	251	254	375	7
8	0.0	0.0	104	0.0	0.0	0.0	128	252	268	264	302	474	8
9	102	0.0	0.0	0.0	0.0	146	58	269	264	310	312	429	9
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	370	214	257	318	452	10
11	0.0	106	0.0	0.0	151	0.0	153	300	412	264	302	317	11
12	154	0.0	0.0	0.0	0.0	157	0.0	370	297	264	251	360	12
13	16.8	0.0	0.0	0.0	0.0	0.0	150	356	297	297	402	370	13
14	140	0.0	0.0	131	0.0	0.0	0.0	360	314	264	261	360	14
15	0.0	0.0	0.0	0.0	0.0	0.0	163	264	237	264	305	264	15
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	297	264	294	310	264	16
17	0.0	0.0	102	0.0	0.0	0.0	0.0	317	238	211	318	257	17
18	0.0	0.0	0.0	0.0	156	0.0	236	360	295	264	315	201	18
19	0.0	92	0.0	0.0	0.0	0.0	104	370	211	257	271	198	19
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	366	251	281	472	195	20
21	0.0	0.0	0.0	104	0.0	0.0	0.0	598	238	251	268	195	21
22	91	0.0	90	0.0	0.0	0.0	114	370	317	161	308	185	22
23	0.0	0.0	0.0	0.0	0.0	0.0	81	465	284	475	322	150	23
24	0.0	0.0	0.0	0.0	0.0	0.0	104	468	211	264	348	148	24
25	0.0	0.0	0.0	0.0	154	96	186	406	370	297	355	105	25
26	0.0	89	0.0	0.0	0.0	143	203	304	309	297	375	157	26
27	0.0	0.0	130	0.0	0.0	81	195	263	312	244	512	105	27
28	0.0	0.0	0.0	101	0.0	48	211	358	280	264	287	105	28
29	53	0.0	99	0.0	140	0.0	298	267	260	211	317	0.0	29
30	0.0	0.0	0.0	0.0		94	643	211	260	343	317	103	30
31	0.0		0.0	0.0		106		214		213	317		31
MEAN	23.8	12.1	16.9	17.4	25.5	31.2	120	340	280	267	321	266	MEAN
MAX.	154	106	130	131	156	157	643	598	412	475	512	474	MAX.
MIN.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	211	211	161	241	0.0	MIN.
AC. FT.	1465	720	1041	1071	1468	1918	7117	20910	16690	16400	19710	15810	AC. FT.

E — ESTIMATED
NR — NO RECORD
★ — DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
— E AND ★

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
144	NR					NR					104300

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 52 45	121 47 29	NE30 12N 2E				APR 24-OCT 38 8 JAN 39-DATE					

Plant located 4.5 mi. E of Robbins. This is drainage returned by pumping.

8 - Irrigation season only.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1972	A02955	RECLAMATION DISTRICT 787 DRAINAGE TO SACRAMENTO RIVER

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1													1
2													2
3													3
4													4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12													12
13													13
14													14
15													15
16					RECORDS SUFFICIENT TO COMPUTE ONLY MONTHLY FLOWS								16
17													17
18													18
19													19
20													20
21													21
22													22
23													23
24													24
25													25
26													26
27													27
28													28
29													29
30													30
31													31
MEAN	1.9	0.0	2.3	3.0	4.6	7.4	12.8	22.1	31.2	24.9	32.3	31.0	MEAN
MAX.													MAX.
MIN.													MIN.
AC. FT.	117	0.0	134	182	265	454	763	1359	1859	1533	1987	1846	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
\# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
14.5	NR					NR					10500

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 50 47	121 43 46	NE34 12N 2E				MAY 49-DATE					

Plant located 2.1 mi. SW of Robbins. This is drainage returned by pumping. Daily distribution of flows is not available since the plant operates on an automatic float switch.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1972	A02976	COLUSA BASIN DRAIN AT HIGHWAY 20

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	270	183	257	291	127	89	616	499	239	446	582	798	1
2	181	198	312	244	120	88	689	319	219	412	538	847	2
3	180	178	364	218	116	87	687	495	311	426	520	854	3
4	174	162	443	151	121	85	629	674	409	376	530	909	4
5	166	189	402	136	169	82	590	873	454	388	569	949	5
6	162	235	376	142	212	84	643	1,110	440	399	586	965	6
7	162	246	390	133	170	112	518	1,200	398	386	611	991	7
8	153	250	401	119	157	110	493	1,330	377	404	531	1,120	8
9	177	243	339	111	144	130 *	382	1,410	426	414	519	1,150	9
10	181	227	250 *	111	134	136	309	1,460	484	416	543	1,130	10
11	220	269	194	107	142 *	159	209	1,450 *	552	440	585	1,150	11
12	299	408	170	111	125	146	317	1,440	611	428	572	1,290	12
13	237	402	183	119	116	121	346	1,370	576	412	554	1,340	13
14	178	403	181	120 *	120	143	336 *	1,330	543	416 *	530	1,310 *	14
15	178 *	381	160	108	117	116	258	1,260	467 *	336	556	1,250	15
16	210	362 *	155	131	114	100	149	1,180	413	277	578	1,140	16
17	193	291	120	267	112	126	107	1,140	435	266	683 *	1,050	17
18	177	271	106	423	110	266	222	1,060	387	307	734	1,030	18
19	166	299	103	460	105	309	306	1,020	353	337	733	990	19
20	179	288	99	422	103	257	172	1,090	315	393	759	842	20
21	208	264	99	340	102	301	139	1,320	308	493	741	773	21
22	176	281	211	269	100	473	82	1,500	307	545	760	684	22
23	186	258	245	215	103	586	97	1,430	258	570	785	638	23
24	185	248	252	183	106	584	232	1,160	343	599	821	591	24
25	194	256	295	186	116	609	283	801	421	558	824	558	25
26	171	273	344	155	106	592	272	491	473	566	757	555	26
27	157	307	571	182	103	677	226	331	474	603	722	583	27
28	165	295	628	207	93	592	77	331	424	585	751	535	28
29	158	309	468	177	91	537	564	329	408	621	764	411	29
30	155	318	388	151		560	1,100	294	455	645	742	327	30
31	171		332	132		533		215		626	731		31
MEAN	186	276	285	197	122	283	368	964	409	454	652	892	MEAN
MAX.	299	408	628	460	212	677	1,100	1,500	611	645	824	1,340	MAX.
MIN.	153	162	99.0	107	91.0	82.0	77.0	215	219	266	519	327	MIN.
AC. FT.	11443	16451	17530	12141	7049	17435	21917	59330	24357	27947	40088	53078	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
≠ — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
425.3	1520	45.14	05	22	2130	59.0	37.60	04	22	2015	308765

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
31 11 44	122 03 34	NE34 16N 2W		51.93	2/21/58	JUN 24-DEC 40 8	JUN 24-DEC 40 8		1957	37.09	USED
			5120	50.96	2/18/69	MAY 41-DATE	MAY 41-DATE	1957		0.00	

Station located at State Highway 20 Bridge, 3.0 mi. W. of Colusa.

8 - Irrigation season only.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1972	A02945	COLUSA BASIN DRAIN AT KNIGHTS LANDING

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	264	111	168	281	101	0.0	296	765	0.0	216	340	527	1
2	201	133	152	325	66	0.0	440	152	0.0	236	296	596	2
3	156	148	611	367	56	0.0	548	0.0	0.0	232	252	640	3
4	141	124	436	91	71	0.0	496	0.0	121	140	252	680	4
5	129	100	394	64	68	0.0	420	278	204	120	252	700	5
6	111	100	352	30	65	0.0	532	454	156	152	276	700	6
7	114	196	324	68	118	0.0	519	674	156	104	340	813	7
8	99	196	312	31	99	0.0	363	812	132	84	320	915	8
9	84	240	334	48	134	0.0	279	1060	108	108	204	1150	9
10	102	92	223	64	272	0.0	195	1300	228	132	204	1200	10
11	159	110	144	48	587	0.0	136	1300	320	180	296	1150	11
12	215	333	64	32	82	0.0	160	1350	424	204	360	1250	12
13	277	414	164	52	86	0.0	200	1350	500	156	340	1400	13
14	193	394	80	72	92	0.0	216	1350	480	132	360	1480	14
15	114	366	80	72	38	0.0	168	1300	400	37	340	1380	15
16	117	321	64	76	48	0.0	99	1140	296	0.0	340	1270	16
17	153	252	104	140	48	0.0	59	1010	252	0.0	424	1160	17
18	153	132	12	292	14	0.0	19	941	228	0.0	500	1070	18
19	117	152	12	421	14	141	65	857	204	0.0	615	1030	19
20	378	196	12	422	14	388	40	934	156	60	594	914	20
21	213	192	51	376	15	617	0.0	1160	104	84	630	754	21
22	198	144	100	242	34	184	0.0	1530	84	180	614	656	22
23	183	144	327	1120	96	308	0.0	1620	104	228	594	566	23
24	198	144	0.0	0.0	32	288	0.0	1520	60	320	634	502	24
25	147	144	260	0.0	27	312	0.0	1080	204	340	699	459	25
26	165	144	256	252	152	304	0.0	591	276	296	640	482	26
27	213	256	411	240	172	320	0.0	154	296	340	552	546	27
28	93	232	505	196	0.0	352	0.0	84	228	380	510	526	28
29	75	248	934	190	512	352	0.0	84	204	340	546	410	29
30	111	236	588	79		316	452	60	200	380	567	286	30
31	111		169	83		360		6.8		424	503		31
MEAN	161	200	247	186	107	137	190	804	204	181	432	840	MEAN
MAX.	378	414	934	1120	587	617	548	1620	500	424	699	1480	MAX.
MIN.	75	100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	204	286	MIN.
AC. FT.	9886	11890	15160	11450	6173	8414	11310	49420	12150	11120	26570	50010	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
308	NR					NR					223600

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 47 58	121 43 27	SW14 11N 2E		36.8	2/10/42	MAY 24-OCT 39 8 JAN 40-DATE	MAY 24-OCT 39 8 JAN 40-DATE	1924		0.00	USED

Station located at Knights landing Outfall Gates, 0.3 mi. W of Knights Landing. Tributary to Sacramento River. Flow regulated by outfall gates.

8 - Irrigation season only.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1972	A02950	RECLAMATION DISTRICT 787 DRAINAGE TO COLUSA BASIN DRAIN

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1													1
2													2
3													3
4													4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12													12
13													13
14													14
15					RECORDS SUFFICIENT TO COMPUTE ONLY MONTHLY FLOWS								15
16													16
17													17
18													18
19													19
20													20
21													21
22													22
23													23
24													24
25													25
26													26
27													27
28													28
29													29
30													30
31													31
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	MEAN
MAX.													MAX.
MIN.													MIN.
AC. FT.	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
\# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
0.0	NR					NR					3.0

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 48 03	121 43 28	NW14 11N 2E				JAN 40-DATE					

Plant located 0.3 mi. W of Knights Landing. This is drainage returned by pumping between Knights Landing Outfall Gates and Sacramento River. Daily distribution of flows is not available since the plant operates on an automatic float switch.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1972	A02930	FREMONT WEIR SPILL TO YOLO BYPASS

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1													1
2													2
3													3
4													4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12													12
13													13
14													14
15						NO FLOW FOR THE ENTIRE YEAR								15
16													16
17													17
18													18
19													19
20													20
21													21
22													22
23													23
24													24
25													25
26													26
27													27
28													28
29													29
30													30
31													31
MEAN													MEAN
MAX.													MAX.
MIN.													MIN.
AC. FT.													AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
# — E AND *

WATER YEAR SUMMARY

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
			294,000		12-23-1955	JAN 1935-DATE					

See Sacramento River at Fremont Weir, East End, and Sacramento River at Fremont Weir, West End, for stage records and locations. Elevation of weir crest is 33.50 feet, USED datum; length of crest is 9,120 feet.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1972	A02972	BUTTE SLOUGH NEAR MERIDIAN

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	311	114	277	373	499	714	409	429	348	299	283	220	1
2	299	107	233	340	459	785	510	438	284	289	277	235	2
3	274	99	175	327	409	782	531	343	287	282	277	225	3
4	275	115	184	283	364	790	371	299	272	241	282	224	4
5	271	152	214	238	362	820	281	309	327	221	271	223	5
6	266	157	202	221	407	814	296	281	368	221	250	222	6
7	261	166	185	209	518	798	496	311	368	245	238	241	7
8	259	178	190	188	565	748	592	383	347	281	241	258	8
9	251	187	185	175	511	732 *	556	510	305	270	248	269	9
10	199	192	178 *	175	444	718	496	426	311	272	250	282	10
11	171	200	176	175	407 *	734	438	403 *	382	265	254	280	11
12	156 *	178	175	174	389	750	422	431	462	249	256	277	12
13	141	137	180	168	369	752	502	466	367	255	258	297	13
14	141	148	207	146 *	315	729	679 *	395	331	250 *	250	314 *	14
15	133	153	197	143	307	686	632	385	331 *	230	249	260	15
16	127	148	177	145	294	639	536	404	333	245	251	247	16
17	123	155	170	154	243	600	409	405	280	258	279 *	242	17
18	120	182	161	222	205	599	354	395	284	237	316	236	18
19	118	202	159	270	186	599	297	394	275	239	326	232	19
20	121	210	165	244	173	592	298	407	265	261	327	256	20
21	128	213	165	223	170	551	227	430	242	266	331	240	21
22	132	219 *	176	245	187	343	210	456	236	281	262	198	22
23	135	241	298	511	199	265	260	509	235	310	243	157	23
24	136	240	491	778	216	378	292	522	238	336	249	140	24
25	135	239	584	920	361	334	259	507	251	317	282	144	25
26	136	236	704	775	506	314	221	472	273	301	302	154	26
27	133	228	660	696	550	313	205	423	281	288	281	149	27
28	124	230	611	648	656	256	178	377	285	284	265	158	28
29	117	241	544	661	616	298	160	374	285	319	242	172	29
30	114	264	462	574		285	270	336	302	341	213	159	30
31	113		409	536		286		435		260	201		31
MEAN	174	184	286	352	375	580	379	408	305	271	266	223	MEAN
MAX.	311	264	704	920	656	820	679	522	462	341	331	314	MAX.
MIN.	113	99.0	159	143	170	256	160	281	235	221	201	140	MIN.
AC. FT.	10750	10971	17641	21693	21594	35710	22586	25101	18159	16687	16372	13311	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

WATER YEAR SUMMARY

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
317.6	936	45.44	01	25	1945	97.0	39.61	11	03	1200	230574

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 10 05	121 53 28	NE7 15N 1E				JAN 39-DATE	NOV 34-MAY 37 # OCT 37-DATE	1934		0.00	USED

Station located on right bank 0.5 mi. upstream from Farmland Road 1.7 mi. NE of Meridian. Tributary to Sutter Bypass. Flow affected by gate operation. Flow during summer months is made up almost entirely of return water from lands irrigated by Feather River diversions. During flood periods. Sacramento River water enters Butte Basin above Butte City from bank spill and spill over Moulton and Colusa Weirs.

- Flood season only.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1972	A05929	WADSWORTH CANAL NEAR SUTTER

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	148	122	20	48	31	16	45	62	94	75	129	134	1
2	145	98	22	46	29	20	123	44	98	81	123	129	2
3	147	67	21	42	28	20	113	48	91	67	116	149	3
4	147	71	20	39	28	20	97	100	89	64	127	169	4
5	133	64	17	32	37	20	128	89	107	80	130	162	5
6	102	62	21	21	65	15	172	99	77	57	129	181	6
7	104	64	15	27	47	8.9	157	137	75	60	116	163	7
8	115	67	17	27	42	7.0	146	134	79	71	94	154	8
9	118	64	20	28	40	11	142	97	87	82	92	156	9
10	123	65	18	28	38	11	136	92	123	111	102	183	10
11	124	74	15	27	35	24	181	123	109	73	123	266	11
12	104	67	18	24	34	8.1	166	136	111	62	124	238	12
13	116	62	16	23	33	5.3	150	130	90	74	132	219	13
14	136	68	19	25	32	18	92	159	80	88	132	203	14
15	158	67	25	27	31	18	140	175	77	75	145	222	15
16	173	68	20	28	30	52	130	166	90	86	149	243	16
17	184	66	22	36	30	62	97	149	52	77	153	248	17
18	184	65	18	33	29	82	57	112	29	80	152	217	18
19	162	59	14	31	29	72	40	82	30	96	140	194	19
20	156	48	15	28	28	89	35	117	38	79	135	203	20
21	152	33	20	27	28	95	80	237	52	72	160	183	21
22	155	29	28	28	18	115	78	284	54	92	149	161	22
23	159	27	39	28	17	114	86	284	58	107	156	161	23
24	155	28	35	25	20	122	116	241	59	94	174	160	24
25	157	26	48	25	21	103	121	210	66	81	156	173	25
26	133	21	57	25	22	86	107	176	71	92	161	215	26
27	143	21	61	36	21	81	67	165	77	50	181	210	27
28	139	20	73	46	18	48	74	147	55	50	175	203	28
29	140	22	57	37	17	36	151	139	52	135	179	177	29
30	128	21	53	33		20	170	125	70	152	148	181	30
31	115		51	32		13		89		143	144		31
MEAN	140	54.6	28.8	31.0	30.3	45.4	113	140	74.7	84.1	140	189	MEAN
MAX.	184	122	73	48	65	122	181	284	123	152	181	266	MAX.
MIN.	102	20	14	21	17	5.3	35	44	29	50	92	129	MIN.
AC. FT.	8638	3245	1775	1908	1741	2791	6738	8624	4443	5169	8580	11230	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
\# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
89.5	NR					NR					64950

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 09 12	121 44 00	NE15 15N 2E		53.62	1/26/70	MAR 61-DATE	MAR 61-DATE	1961		0.00	USED

Station located at South Butte Road Bridge, 0.9 mi. E of Sutter. Tributary to Sutter Bypass. This station and one 2.2 mi. downstream are used to determine the slope for rating of canal. This flow and flow of Butte Slough to Sutter Bypass make up entire Feather River contribution to the Sutter Bypass. Records for January 1939 to March 1961 previously published as Wadsworth Canal at Butte House Road.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1972	A05922	RECLAMATION DISTRICT 1660 DRAINAGE TO SUTTER BYPASS

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1								0.0	5.0	5.4			1
2								0.0	5.0	5.5			2
3								0.0	5.4	5.4			3
4								0.0	5.3	5.6			4
5								0.0	3.5	5.8			5
6								0.0	0.0	5.9			6
7								0.0	0.0	4.1			7
8								28	0.0	2.6			8
9								1.9	0.0	2.6			9
10								8.8	0.0	2.6			10
11	N	N	N	N	N	N	N	4.7	0.0	2.6	N	N	11
12								5.0	0.0	2.6			12
13	O	O	O	O	O	O	O	8.6	5.2	2.5	O	O	13
14								8.2	9.6	2.6			14
15								14	5.3	2.5			15
16	F	F	F	F	F	F	F	2.0	5.6	2.6	F	F	16
17								2.1	5.4	2.6			17
18	L	L	L	L	L	L	L	2.3	5.7	2.6	L	L	18
19								2.2	5.7	2.7			19
20	O	O	O	O	O	O	O	0.0	5.7	2.6	O	O	20
21	W	W	W	W	W	W	W	0.0	5.6	2.5	W	W	21
22								4.7	13	2.6			22
23								15	7.3	2.5			23
24								14	7.7	2.5			24
25								14	3.5	2.5			25
26								15	3.7	2.5			26
27								12	5.5	0.0			27
28								13	5.4	0.0			28
29								8.8	5.4	0.0			29
30								14	5.5	0.0			30
31								2.0		0.0			31
MEAN								6.5	4.5	2.8			MEAN
MAX.								28	13	5.9			MAX.
MIN.								0.0	0.0	0.0			MIN.
AC. FT.								397	268	172			AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
\# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
1.2	NR					NR					837

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 01 57	121 44 33	NW27 14N 2E				MAY 54-DATE				0.00	USED

Plant located 9.9 mi. SW of Yuba City, 8.5 mi. E of Grimes. This is drainage returned by gravity.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1972	A02963	RECLAMATION DISTRICT 1660 DRAINAGE TO TISDALE BYPASS

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	22	20	20	26	23	26	39	23	50	40	30	59	1
2	22	20	18	25	21	21	20	62	46	40	28	51	2
3	22	20	20	24	20	13	38	30	34	30	29	30	3
4	20	20	20	20	20	18	34	35	46	35	31	43	4
5	21	20	20	23	20	19	38	42	60	41	31	69	5
6	21	21	20	22	23	19	33	29	28	30	36	61	6
7	20	20	20	23	22	20	34	49	42	30	37	46	7
8	21	20	20	23	22	12	30	71	24	30	44	56	8
9	20	20	19	22	21	20	40	72	30	30	45	39	9
10	18	20	19	23	23	22	56	71	35	37	43	40	10
11	20	21	20	22	21	22	56	57	42	30	34	55	11
12	18	22	19	22	26	17	59	57	42	20	39	51	12
13	20	21	20	22	23	27	38	63	50	24	42	51	13
14	20	17	19	21	11	33	30	56	33	31	41	54	14
15	19	20	19	18	0.0	30	43	49	34	31	42	57	15
16	20	22	18	18	0.0	24	32	52	40	30	41	53	16
17	20	21	20	20	0.0	26	25	53	36	31	40	57	17
18	18	20	21	22	6.3	48	16	59	24	25	44	55	18
19	17	20	20	22	6.2	32	29	46	32	31	39	62	19
20	16	25	19	20	6.1	33	18	33	42	30	39	60	20
21	17	20	19	20	6.2	18	12	61	37	29	53	54	21
22	16	20	22	21	6.3	18	19	55	48	30	52	46	22
23	16	20	22	21	21	29	19	53	47	25	63	43	23
24	17	20	18	18	41	28	19	49	44	30	65	47	24
25	18	20	21	17	23	39	36	51	42	29	51	31	25
26	17	23	19	2.9	24	32	45	54	41	25	49	35 *	26
27	18	22	20	3.2	22	32	23	55	45	30	51	33	27
28	17	20	20	25	34	33	31	59	35	31	40	30	28
29	18	21	26	24	28	33	37	30	34	30	43	29	29
30	16	20	27	22		33	47	46	41	29	33	28	30
31	18		31	23		41		40		28	18		31
MEAN	18.8	20.5	20.5	20.5	17.9	26.4	33.2	50.4	39.5	30.4	41.1	47.5	MEAN
MAX.	22	25	31	26	41	41	59	72	60	41	65	69	MAX.
MIN.	16	17	18	2.9	0.0	12	12	23	24	20	18	28	MIN.
AC. FT.	1156	1222	1261	1260	1032	1622	1976	3098	2348	1868	2525	2826	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
30.6	NR					NR					22190

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 01 44	121 46 53	SE30 14N 2E				JAN 25-DATE					

Plant located on north levee of Tisdale Bypass, 2.1 mi. E of Tisdale Weir, 6.8 mi. SE of Grimes. This drainage returned by pumping and gravity.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1972	A02926	RECLAMATION DISTRICT 1500 DRAINAGE TO SACRAMENTO SLOUGH

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	95	0.0	0.0	0.0	0.0	0.0	128	236	367	272	291	300	1
2	65	47	0.0	123	81	72	121	213	252	227	270	288	2
3	24	0.0	88	98	0.0	24	86	246	443	202	285	392	3
4	96	47	0.0	0.0	0.0	62	64	278	403	247	299	343	4
5	0.0	0.0	0.0	0.0	101	0.0	102	276	371	247	231	290	5
6	96	0.0	80	147	30	59	190	260	357	143	307	339	6
7	0.0	59	0.0	84	104	0.0	62	206	348	243	264	326	7
8	108	0.0	0.0	0.0	101	58	101	135	351	313	349	309	8
9	0.0	0.0	0.0	78	0.0	0.0	62	305	351	336	330	503	9
10	78	48	0.0	0.0	90	0.0	107	313	374	313	313	444	10
11	0.0	0.0	82	84	74	0.0	92	313	485	279	306	307	11
12	60	0.0	0.0	0.0	56	0.0	90	326	511	146	261	449	12
13	0.0	60	0.0	0.0	0.0	79	117	271	466	157	359	495	13
14	83	0.0	0.0	96	78	0.0	100	397	429	352	208	433	14
15	0.0	71	80	0.0	0.0	80	53	330	288	368	286	312	15
16	30	0.0	0.0	0.0	96	0.0	117	313	309	356	285	326	16
17	0.0	0.0	0.0	108	0.0	75	111	195	342	371	319	309	17
18	72	0.0	0.0	0.0	84	0.0	78	295	343	391	291	290	18
19	0.0	82	0.0	0.0	40	76	78	327	304	381	361	270	19
20	59	0.0	82	108	0.0	76	128	368	316	393	305	133	20
21	0.0	0.0	0.0	0.0	0.0	0.0	142	474	313	411	344	72	21
22	60	0.0	0.0	0.0	92	104	162	553	415	343	330	202	22
23	0.0	0.0	67	0.0	0.0	80	209	620	422	253	319	167	23
24	71	83	0.0	0.0	89	80	60	529	333	218	342	169	24
25	0.0	0.0	0.0	88	0.0	86	86	482	262	305	338	109	25
26	6.0	0.0	128	0.0	59	86	238	456	266	318	321	160	26
27	0.0	0.0	168	0.0	3.0	67	248	270	229	256	326	169	27
28	36	0.0	107	75	57	86	286	233	295	130	283	152	28
29	71	83	80	59	0.0	98	311	192	280	124	332	111	29
30	0.0	0.0	76	0.0		74	283	324	276	197	321	68	30
31	28		0.0	73		68		372		272	308		31
MEAN	36.7	19.3	33.5	39.4	42.6	48.1	134	326	350	276	306	275	MEAN
MAX.	108	83	168	147	104	104	311	620	511	411	361	503	MAX.
MIN.	0.0	0.0	0.0	0.0	0.0	0.0	53	135	229	124	208	67.5	MIN.
AC. FT.	2257	1150	2059	2422	2450	2955	7958	20050	20830	16990	18810	16340	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
\# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
157	NR					NR					114300

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 47 05	121 39 18	NE20 11N 3E				APR 30-OCT 38 8 JAN 39-DATE					

Plant located on west levee of Sutter Bypass, 3.7 mi. SE of Knights Landing. This is drainage returned by pumping and gravity.

8 - Irrigation season only.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1972	A02925	SACRAMENTO SLOUGH AT SACRAMENTO RIVER

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	666	129	206	589	625	359	329	487	884	613	827	754	1
2	620	130	197	522	658	747	538	498	895	662	759	784	2
3	529	114	244	440	690	1370	753	523	869	622	762	891	3
4	626	130	193	370	572	901	750	575	802	613	717	904	4
5	509	98	190	351	622	384	762	588	783	638	658	922	5
6	670	127	241	340	525	748	624	600	808	545	736	966	6
7	467	155	154	336	696	920	586	628	833	416	812	1000	7
8	499	110	119	226	752	997	627	732	805	364	733	945	8
9	341	94	119	308	473	914	767	904	812	498	667	1040	9
10	373	141	118	225	622	841	892	949	849	570	616	1090	10
11	322	128	178	287	969	817	828	970	933	521	665	1100	11
12	388	159	154	228	803	760	824	1020	1090	548	724	1350	12
13	334	186	161	225	527	906	767	959	1140	591	731	1400	13
14	351	161	167	326	570	880	685	1110	1100	543	775	1310	14
15	294	195	238	244	430	939	764	1090	914	548	762	1180	15
16	269	116	203	242	458	794	858	1080	888	573	811	1170	16
17	239	114	171	328	343	791	819	1040	859	574	772	1110	17
18	270	134	138	233	395	818	679	1050	816	585	803	1060	18
19	242	169	135	304	335	718	521	1070	674	557	914	1010	19
20	267	195	200	721	279	797	433	1070	605	554	931	862	20
21	226	202	138	470	244	838	383	1370	585	572	941	794	21
22	260	201	186	432	288	950	386	1510	500	565	980	773	22
23	215	178	235	360	203	756	238	1700	507	647	924	715	23
24	249	223	382	380	212	432	266	1660	518	694	927	599	24
25	216	149	540	687	312	457	446	1600	408	767	925	446	25
26	228	172	634	923	417	478	485	1430	666	759	924	480	26
27	202	221	908	904	447	409	399	1280	653	773	897	684	27
28	171	222	1060	941	654	440	183	1190	611	805	887	655	28
29	200	253	943	777	717	407	205	1120	632	762	951	519	29
30	159	167	843	787		375	232	1120	587	766	901	435	30
31	171		711	801		365		1040		843	820		31
MEAN	341	159	326	462	512	720	568	1031	768	616	815	898	MEAN
MAX.	670	253	1060	941	969	1370	892	1700	1140	773	980	1400	MAX.
MIN.	159	94	118	225	203	359	183	487	408	364	616	435	MIN.
AC. FT.	20970	9467	20040	28380	29430	44250	33780	63400	45670	37860	50090	53450	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
602	NR					NR					436800

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 46 52	121 38 27	SE21 11N 3E				JUN 24-OCT 39 8 JAN 40-DATE	APR 45-DEC 46 8 APR 47-DATE				

Station located 0.5 mi. above mouth, 4.6 mi. SE of Knights Landing. During low flows this represents combined flows of Sutter Bypass and Reclamation District 1500. During high flows (above gage ht. 26.0 ±) the slough is entirely submerged as it lies within the bypass area. Sharp rises in the Sacramento River cause zero or negative flow.

8 - Irrigation season only.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1972	A55420	FEATHER RIVER , MIDDLE FORK , NEAR PORTOLA

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	26 *	44	96	76	148	934	129	81 *	69	24	13	10	1
2	25	49	93 *	76	141	830	119	85	61 *	23	13	11	2
3	28	52 *	81	78	134	645	111 *	78	56	23 *	12 *	11	3
4	31	52	77	78	120	548	104	67	54	18	13	11	4
5	32	52	76	78	107	518	119	60	58	8.1	12	14	5
6	32	50	77	80	99	537	167	53	62	8.8	12	12 *	6
7	32	50	66	80	97	552	243	51	67	7.7	12	13	7
8	32	62	63	78	96	511	305	55	72	6.2	12	13	8
9	32	47	64	80	97	480	305	63	73	5.0	11	13	9
10	33	48	48	85	98	499	250	66	71	12	11	14	10
11	33	50	53	83	101	558	232	64	67	17	11	14	11
12	33	55	53	81	104	576	267	58	65	16	11	15	12
13	33	65	49	81	108	536	318	55	60	15	11	15	13
14	32	80	51	83	111	453	356	52	57	14	11	15	14
15	33	84	42	85	114 *	391	366	54	64	11	11	14	15
16	34	68	41	85	111 *	317	344	53 *	66	10	11	16	16
17	35	69	42	83	119	254	313	51	57	11	11	17	17
18	37	62	42	85	130	237	274	52	52	9.9	11	17 *	18
19	39	46	43	86	149	222	219	93	48	10	11	17	19
20	41	57	44	90	215	213	168	143	44	11	11	17	20
21	43	58	47	95	333	201	151	160	41	10	10	18	21
22	41	58	68	122	702	189	133	168	44	9.2	10	17	22
23	41	59	64	223	844 *	190	111	157	55	8.7	9.9	18	23
24	43	58	69	283	1,010	188	94	173	41	9.6	8.1	19	24
25	45	58	59	483	1,020	188	77	166	43	9.0	8.1	19	25
26	45	59	56	537	1,190	191	31	143	49	8.8	8.1	24	26
27	46	62	61	413	1,330	201	11	122	35	9.3	8.6	24	27
28	46	65	56	294	1,350	193	28	107	28	9.6	9.4	22	28
29	40	82	62	219	1,130 *	173	62	95	27	13	13	23	29
30	44	96	68	183		158	78	87	27	13	12	26	30
31	42		72	168		146		79		12	10		31
MEAN	36.4	59.9	60.7	150	389	381	182	90.0	53.8	12.0	10.9	16.2	MEAN
MAX.	46.0	96.0	96.0	537	1,350	934	366	173	73.0	24.0	13.0	26.0	MAX.
MIN.	25.0	44.0	41.0	76.0	96.0	146	11.0	51.0	27.0	5.0	8.1	10.0	MIN.
AC. FT.	2239	3564	3735	9225	22429	23462	10879	5536	3199	740	671	966	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
≠ — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
119.4	1570	5.64	02	27	2230	3.1	1.77	07	09	1045	86646

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 49 07	120 26 37	NE 29 23N 14E	9,300	10.34	3-18-1967	NOV 1955-DATE	NOV 1955-DATE	1955 1965		0.00 1.00	LOCAL LOCAL

Station located south of State Highway 70, 1.8 miles northeast of Portola. Stage-discharge relationship at times affected by ice.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1972	A54455	RED CLOVER CREEK ABOVE ABBEY BRIDGE DAMSITE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	4.3	3.9*	5.0	27	15	168	43	35 *	10	4.3	1.8	2.5	1
2	3.6	4.0	5.1*	24	16	232	44	32	11 *	5.0	1.7	2.2	2
3	3.4	4.0	5.5	20	15	504	40 *	29	10	3.4*	1.7	2.5	3
4	3.2	4.1	5.5	23	14	443	40	27	9.9	3.8	1.8	2.5	4
5	3.1	4.1	5.8	24	14	314	110	26	9.4	3.7	2.0	2.2	5
6	3.0	3.8	7.9	20	13	258	125	25	9.4	3.7	1.9	2.5	6
7	3.7	4.0	4.8	16	12 *	228 *	84	25	9.4	3.7	1.7	1.5*	7
8	3.4	4.1	4.3	16	11	206	72	25	9.6	3.5	1.7	1.5	8
9	3.0	4.1	5.3	18	10	207	64	24	9.6	3.2	1.6	1.1	9
10	3.1	3.9	4.8	17	11	242	58	23	9.8	3.2	1.4	0.8	10
11	3.1	5.8	5.5	15	11	211	72	21	9.3	3.1	1.4	1.7	11
12	3.6	7.2	6.2	14	11	181	85	19	9.1	3.0	1.2	2.2	12
13	3.3	5.3	6.4	12	8.5	162	105	19	8.5	3.0	1.4	1.0	13
14	3.0	5.0	8.5	12	8.1	149	107	18	7.7	2.9	1.6	0.8	14
15	3.3	4.5	7.8	13	7.9	134	123	17	7.3	2.7	1.7	1.2	15
16	3.9	4.5	7.8	13	7.8	127	125	14	6.7	2.8	1.9	1.0	16
17	4.6	4.5	8.6	13	8.0	125	111	7.8	6.5	2.8	2.2	1.2	17
18	4.3	4.7	9.3	13	8.6	120	101	12	6.4	2.7	1.8	1.2	18
19	4.1	4.2	9.5	13	10	105	91	21	5.8	2.6	2.0	1.7	19
20	3.9	4.9	9.9	12	16	97	82	47	5.4	2.4	2.2	3.3	20
21	3.9	5.3	19	13	37	92	76	33	5.2	2.7	2.0	1.5	21
22	3.8	5.2	26	16	42	98	71	25	5.0	2.5	1.9	1.5	22
23	3.7	5.0	49	28	31	96	67	21	4.7	2.1	1.8	1.5	23
24	4.5	5.3	58	22	27	82	66	19	4.9	1.9	1.7	1.5	24
25	3.5	4.9	60	16	28	82	61	17 *	4.8	1.8	1.6	1.5	25
26	3.8	6.1	69	14	41	69	46	16	4.8	1.8	1.6	2.5	26
27	4.1	7.8	65	14	62	63	42	14	4.8	1.8	1.5	4.2	27
28	3.6	6.7	56	16	156	56	40	13	4.5	1.8	1.5	2.7	28
29	3.4	6.6	48	16	294	54	38	12	4.3	1.8	1.9	1.9	29
30	3.9	6.3	37	14		47	37	11	4.3	1.9	4.8	1.3	30
31	4.1		30	15		43		11		2.0	2.5		31
MEAN	3.7	5.0	20.7	16.7	32.6	161	74.2	21.3	7.3	2.8	1.9	1.8	MEAN
MAX.	4.6	7.8	69.0	28.0	294	504	125	47.0	11.0	5.0	4.8	4.2	MAX.
MIN.	3.0	3.8	4.3	12.0	7.8	43.0	37.0	7.8	4.3	1.8	1.2	0.8	MIN.
AC. FT.	225	297	1272	1029	1876	9907	4415	1307	433	174	114	108	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
= — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
29.1	818	7.52	03	03	1830	0.8	2.25	09	10	0000	21158

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 58 05	120 31 09	SE 4 24N 13E	3,460 E	11.36	12-22-1964	DEC 1962-DATE	DEC 1962-DATE	1962		0.00	LOCAL

Station located above bridge on Forest Service road, 13 miles east of Genesee, 11 miles north of Portola. Stage-discharge relationship at times affected by ice. Drainage area is 87.9 square miles.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1972	A54750	LAST CHANCE CREEK AT DIXIE REFUGE DAMSITE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1													1
2													2
3													3
4													4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12													12
13													13
14													14
15			DAILY FLOW UNAVAILABLE AT TIME OF PUBLICATION. TO BE PUBLISHED IN BULLETIN NO. 130-73.										15
16													16
17													17
18													18
19													19
20													20
21													21
22													22
23													23
24													24
25													25
26													26
27													27
28													28
29													29
30													30
31													31
MEAN													MEAN
MAX.													MAX.
MIN.													MIN.
AC. FT.													AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
\# — E AND *

WATER YEAR SUMMARY

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
40 05 28	120 21 46	SE 23 26N 14E	1,570 E	7.42	12-22-1964	OCT 1964-DATE	JULY 1963-DATE	1963 1968	1968	0.00 0.00	LOCAL LOCAL

Station located on Forest Service road, 5.7 miles south of Milford. Tributary to Indian Creek via Red Clover Creek. Stage-discharge relationship at times affected by ice. Maximum discharge listed is at site and datum then in use. Prior to October 2, 1968, station located 0.8 mile downstream.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1972	A54370	INDIAN CREEK NEAR TAYLORSVILLE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	160	62	88	81	120	874	292	413	249	66	37	37	1
2	158	69	85	87	109	891	288	324	228	61	37	37	2
3	154	69	80	92	107	1,890	297	339	212	60	38	40	3
4	152	69	80	81	106	2,010	343	369	194	59	37	46	4
5	147	69	87	81	103	1,580	582	420	183	56	36	48	5
6	146	69	98	83	103	1,230 *	716	453	174	54	36	46	6
7	144	67	96	85	105	1,160	550 *	462	169	52	36	45	7
8	141	67	91	86	108 *	1,030	482	444	166	51	34	42	8
9	119	69 *	90	88	113 *	1,060	413	426	164	47	33	40	9
10	86	69	85	90	111	1,230	375	408	161	47	31	40	10
11	76	81	81	92	113	1,150	366	402	149	46	29	42	11
12	72	107	80	94	113	986	484	394	142	46	29	47	12
13	70	98	80	96	111	876	477	403	134	45	30	46	13
14	66	88	82	103	115	810	475	417	130	43	30	45	14
15	62	78	85 *	103	117	723	555	424	124	43	30	42	15
16	62	73	78	105	117	679	585	415	118	41	32	38	16
17	62	67	76	106	120	693	513	399 *	113	41	34	37	17
18	63	73	72	107	125	691	455	368	108	40	34	36	18
19	64	69	69	114	132	612	398	429	98	39	33	36	19
20	64	69	64	132	165	555	383	458	88	42	34	36	20
21	64	70	71	256	266	531	406	440	88	44	35	39	21
22	64	72	160	243	397	532	399	417	87	43	35	39	22
23	64	70	120	346	328	517	403	345	86	41	33	41	23
24	64	72	136	200	307	448	403	318	86	40	32	41	24
25	63	73	122	182	298	472	464	301 *	85	40	33	42	25
26	63	81	107	162	297	413	446	295	84	38	31	49	26
27	63	113	98	150	348	371	441	299	81	38	34	61	27
28	63	102	92	141	599	345	454	307	75	38	34	58	28
29	63	100	88	132	1,290	335	448	307	72	38	35	55	29
30	58	92	85	123		311	438	290 *	69 *	38	36	50	30
31	58		83	117		298		274		37 *	37 *		31
MEAN	88.9	77.6	90.6	127	222	816	444	379	130	45.6	33.7	43.4	MEAN
MAX.	160	113	160	346	1,290	2,010	716	462	249	66.0	38.0	61.0	MAX.
MIN.	58.0	62.0	64.0	81.0	103	298	288	274	69.0	37.0	29.0	36.0	MIN.
AC. FT.	5464	4616	5572	7851	12779	50188	26442	23326	7769	2805	2073	2580	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
≠ — E AND *

WATER YEAR SUMMARY

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
208.6	2720	9.62	03	03	2330	20.0	4.19	08	24	1345	151464

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
40 02 54	120 48 55	NW 12 25N 10E	30,200 E	10.65	2-1-1963	APR 45-AUG 54⊕	APR 45 AUG 54⊕	1954	1963	0.00	LOCAL
						AUG 54-DATE	AUG 54-DATE	1963		0.00	LOCAL

Station located 0.5 mile above Montgomery Creek, 2.3 miles southeast of Taylorsville. Maximum discharge listed at site and datum then in use. Drainage area is 526 square miles.

⊕ - Maintained by watermaster service for irrigation season only.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1972	A52250	FEATHER RIVER, WEST BRANCH, NEAR PARADISE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	2.8	1.6	8.1	28	95	608 *	220	347 *	172	3.8	0.6 *	0.6	1
2	1.2	1.6	18	28	85	616	250	392	144	3.0	0.6	0.6	2
3	1.1	1.6	18	26	96	1,190	314	413	132	2.8	0.6	0.7	3
4	1.1	1.6	8.4	20	112	885	335 *	416	100	2.6	0.6	0.7	4
5	1.1	1.6	6.1	22 *	135	728	1,150	428	90	2.5	0.6	0.7	5
6	1.0	1.6	32	23	146	620	1,470	428	74	2.4	0.6	0.7	6
7	0.9	1.6	22	20	146	572	790	413	72	2.2 *	0.6	0.7 *	7
8	0.9	1.6	8.1	17	156	548	624	317	66	2.1	0.6	0.6 *	8
9	0.9	1.6	6.9	15	147	600	528	269	63	2.5	0.5	0.6	9
10	0.9	1.6	6.1	15	130	825	476	260	119	4.5	0.5	0.6	10
11	0.9	14	4.8	14	126	684	524	275	62	2.6	0.5	0.6	11
12	20	41	11	14	122	620	616	290	40	2.5	0.5	0.6	12
13	22	51	7.2	14	84	560	544	308	29	2.2	0.5	0.6	13
14	20	15	6.4	13	112	544	436	320	28	2.1	0.5	0.6	14
15	15	2.8	5.6	14	128	520	428	314	20	2.2	0.5	0.5	15
16	63	1.9	4.2	15	126	604	464	347	16	2.6	0.6	0.5	16
17	79	1.4	4.0	15	129	600	460	326	13	3.1	0.8	0.4	17
18	49	1.3	4.2	16	93	560	416	302	14	2.1	1.0	2.1	18
19	18	1.3	4.2	23	75	480	364	245	12	1.3	0.9	1.2	19
20	6.4	1.3	4.0	37	126	428	350	266	11	1.0	0.8	1.1	20
21	3.7	1.2	4.0	145	200	416	360	269	9.6	0.9	0.7	1.0	21
22	3.1	1.4	688	910	281	572	368	222	9.0	0.8	0.7	0.9	22
23	2.8	1.4	242	1,500	293	452	374	222	8.7	0.8	0.6	0.8	23
24	2.6	1.4	320	475	536	382	432	200	9.9	0.7	0.6	0.8	24
25	2.3	1.4	213	296	616	588	357	174	9.3	0.6	0.5	0.8	25
26	2.1	2.1	102	210	512	406	338	206	8.1	0.6	0.5	1.1	26
27	1.9	52	70	168	413	329	368	215	7.5	0.6	0.5	4.0	27
28	1.6	41	49	156	644	287	413	228	6.6	0.6	0.5	3.8	28
29	1.6	45 *	45	130	1,030	255	378	245	5.6	0.6	0.5	1.2	29
30	1.6	21	34	114		235	329	220	4.5	0.6	0.5	0.9	30
31	1.6		31	105		232		202		0.6	0.5		31
MEAN	10.7	10.5	64.1	148	238	547	483	293	45.2	1.9	0.6	1.0	MEAN
MAX.	79	52	688	1,500	1,030	1,190	1,470	428	172	4.5	1.0	4.0	MAX.
MIN.	0.9	1.2	4.0	13	75	232	220	174	4.5	0.6	0.5	0.4	MIN.
AC. FT.	655	625	3,940	9,120	13,670	33,610	28,710	18,010	2,690	114	37	60	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
\# — E AND *

WATER YEAR SUMMARY

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
153	3,080	9.84	1	22	2400	0.4		9	17		111,200

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 47 12	121 33 42	SE 6 22N 4E	26,300	26.2	12-22-1964	OCT 1957-DATE	OCT 1957-DATE	1957		0.00	LOCAL

Station located 0.6 mile upstream from Griffin Gulch and 4.0 miles northeast of Paradise. Drainage area is 110 square miles.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1972	A55100	FEATHER RIVER, MIDDLE FORK, NEAR MERRIMAC

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	339	286	437	436	741	3,730	1,420	1,780	1,470	393	193	148	1
2	306	284	442	424	681	3,330	1,420	1,910	1,360	373	186	158	2
3	294	284	432	410	665	4,690	1,520	2,050	1,260	353	182	158	3
4	289	286	395	362	671	4,390	1,630	2,100	1,170	343	182	154	4
5	287	290	379	388	704	3,980	3,310	2,120	1,120	332	182	190	5
6	283	292	485	408	706	3,470	4,590	2,150	1,110	319	179	208	6
7	279	292	452	409	689	3,300	3,420	2,100	1,060	306	176	204	7
8	273	288	348	402	676	3,200	2,880	1,870	1,020	300	172	182	8
9	268	288	371	383	661	3,310	2,620	1,770	1,020	293	176	174	9
10	268	299	369	391	650	4,010	2,390	1,750	1,030	292	168	165	10
11	268	358	354	394	649	3,870	2,380	1,790	925	286	162	162	11
12	267	641	356	404	659	3,510	2,540	1,830	825	279	158	167	12
13	264	564	330	417	670	3,340	2,400	1,910	775	270	154	174	13
14	264	440	332	402	690	3,110	2,220	2,000	748	261	154	172	14
15	260	389	334	410	695	2,900	2,300	2,070	725	253	158	165	15
16	273	375	283	402	693	2,840	2,380	1,990	700	248	158	164	16
17	280	360	292	410	707	2,880	2,350	1,910	679	240	165	159	17
18	282	339	298	427	727	2,880	2,190	1,770	655	232	172	155	18
19	284	334	300	506	772	2,640	2,010	1,740	625	228	172	153	19
20	289	323	287	608	986	2,430	1,850	1,780	594	224	168	156	20
21	296	318	288	892	1,350	2,350	1,810	1,600	566	224	168	158	21
22	290	324	1,450	2,060	2,180	2,520	1,790	1,490	545	228	162	158	22
23	294	324	1,300	4,550	2,330	2,250	1,800	1,460	522	224	158	158	23
24	296	330	1,360	2,110	2,970	2,030	1,880	1,450	524	216	158	158	24
25	293	354	1,150	1,560	3,400	2,840	1,710	1,460	506	212	151	158	25
26	289	423	785	1,480	3,100	2,330	1,640	1,510	485	208	148	203	26
27	288	689	655	1,370	3,120	2,020	1,670	1,550	476	204	144	324	27
28	284	565	552	1,140	3,720	1,840	1,800	1,610	459	200	144	324	28
29	284	602	527	966	5,250	1,670	1,810	1,650	435	196	144	250	29
30	282	509	473	825		1,550	1,730	1,550	411	193	148	222	30
31	283		449	757		1,470		1,520		193	144		31
MEAN	284	382	525	842	1,431	2,925	2,182	1,782	793	262	164	183	MEAN
MAX.	339	689	1,450	4,550	5,250	4,690	4,590	2,150	1,470	393	193	324	MAX.
MIN.	260	284	283	362	649	1,470	1,420	1,450	411	193	144	148	MIN.
AC. FT.	17,450	22,710	32,260	51,780	82,340	179,900	129,800	109,600	47,210	16,110	10,090	10,870	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
\# — E AND *

WATER YEAR SUMMARY

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
978	5,860	10.34	2	29	0600						710,100

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 42 30	121 16 10	NE 2 21N 6E	86,200	26.50	12-22-1964	OCT 1951-DATE	OCT 1951-DATE	1951		0.00	LOCAL

Station located 400 feet from bridge on Milsap Bar Road, 500 feet downstream from Little North Fork, 4.5 miles southeast of Merrimac, and 20 miles northeast of Oroville. Altitude 1,560 feet. Drainage area is 1,062 square miles.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1972	A56080	FEATHER RIVER, SOUTH FORK, AT PONDEROSA DAM

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	171	133	0.0	0.0	320	320	0.0	52		0.0	102	102	1
2	173	136	0.0	0.0	315	350	0.0	0.0		0.0	103	101	2
3	168	162	0.3	0.0	315	361	0.0	0.0		0.0	103	102	3
4	174	195	0.0	0.0	310	394	0.0	0.0		0.0	102	111	4
5	173	210	0.0	0.0	345	372	0.0	0.0		0.0	102	149	5
6	180	192	0.0	0.0	300	350	0.0	0.0		0.0	101	183	6
7	175	206	0.0	0.0	295	330	0.0	0.0		0.0	100	184	7
8	174	201	0.0	0.0	293	320	0.0	0.0		0.0	99	183	8
9	175	207	0.0	0.0	335	320	0.0	0.0		0.0	103	184	9
10	159	214	0.0	0.0	330	320	64	0.0		0.0	102	184	10
11	153	237	3.3	0.0	335	320	177	0.0	N	0.0	103	184	11
12	159	215	0.0	0.0	335	300	171	0.0		0.0	100	185	12
13	162	239	0.0	0.0	330	330	310	0.0	O	0.0	100	185	13
14	167	218	0.0	0.0	186	356	386	0.0		0.0	100	183	14
15	173	202	0.0	0.0	0.0	383	390	0.0		0.0	100	183	15
16	168	225	0.0	0.0	0.0	394	383	0.0	F	0.0	101	182	16
17	167	204	0.0	0.0	0.0	405	386	0.0		0.0	102	184	17
18	168	204	0.0	0.0	0.0	400	411	0.0	L	0.0	102	182	18
19	169	195	0.0	0.0	0.0	394	408	0.0		0.0	102	182	19
20	171	204	0.0	0.0	0.0	257	404	0.0	O	0.0	101	182	20
21	173	190	0.0	0.0	0.0	0.0	408	0.0	W	0.0	102	183	21
22	176	160	60	0.0	0.0	0.0	411	0.0		0.0	103	184	22
23	177	138	15	271	0.0	0.0	414	0.0		0.0	103	183	23
24	161	67	64	31	0.1	0.0	407	0.0		0.0	103	181	24
25	165	0.0	36	0.6	94	0.0	72	0.0		61	102	184	25
26	174	0.0	0.0	38	86	0.0	222	0.0		103	103	184	26
27	178	0.0	0.0	308	30	0.0	194	0.0		103	102	184	27
28	182	0.0	0.0	180	55	0.0	168	0.0		102	104	184	28
29	169	0.0	0.0	361	178	0.0	136	0.0		102	102	183	29
30	151	0.0	0.0	366		0.0	148	0.0		101	102	184	30
31	138		0.0	340		0.0		0.0		102	103		31
MEAN	168	152	5.8	61.1	165	225	202	1.7		21.7	102	172	MEAN
MAX.	182	239	64	366	345	405	414	52		103	104	185	MAX.
MIN.	138	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	99	101	MIN.
AC. FT.	10,360	9,030	354	3,760	9,500	13,840	12,040	103		1,340	6,260	10,210	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
\# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
106	425	95,540	4	24		0.0		11	25		76,790

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 32 52	121 18 11	SE 33 20N 6E	11,000	12.70	12-22-1964	JULY 1962-DATE	JULY 1962-DATE	1962 1967	1967	0.00 0.00	LOCAL USCGS

Station located at entrance to Miners Ranch Canal on the left end of Ponderosa Dam, 2,800 feet upstream from Sucker Run, and 2.6 miles northwest of Forbestown. Prior to October 1, 1967, at site 1,800 feet downstream. Drainage area is 108 square miles.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1972	A56911	PALERMO CANAL AT OROVILLE DAM

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	19	9.1	4.7	4.6	5.2	5.3	5.0	10	18	20	20	19	1
2	19	9.0	4.6	4.6	5.2	5.2	5.0	10	18	20	20	19	2
3	19	9.0	4.6	4.6	5.2	5.2	5.0	10	18	20	19	19	3
4	19	9.0	4.6	4.5	5.2	5.3	5.0	16	18	20	19	19	4
5	19	9.1	4.6	3.1	5.2	5.3	5.0	20	18	20	19	19	5
6	19	9.2	4.6	5.1	5.2	5.3	5.0	20	19	20	19	22	6
7	19	9.2	4.6	5.1	5.2	5.4	5.0	20	20	20	19	23	7
8	19	9.2	4.6	5.1	5.2	5.4	5.0	20	20	20	19	23	8
9	19	9.3	4.6	5.1	5.2	5.4	5.1	20	20	20	19	23	9
10	19	9.3	4.6	5.1	5.2	5.4	5.1	20	20	20	19	23	10
11	19	9.2	4.6	5.1	5.2	5.5	5.1	20	20	20	19	23	11
12	19	9.3	4.6	5.1	5.2	5.5	5.1	20	20	20	19	23	12
13	19	9.4	4.6	5.2	5.2	5.6	5.1	20	20	20	19	23	13
14	19	9.4	4.6	5.1	5.2	5.6	5.1	20	20	20	19	21	14
15	18	6.4	4.7	5.1	5.2	5.6	5.1	20	20	20	19	20	15
16	16	4.6	4.6	5.2	5.2	5.6	5.1	20	20	20	19	20	16
17	16	4.6	4.7	5.2	5.2	5.6	5.1	20	20	20	19	20	17
18	14	4.6	4.7	5.2	5.2	5.4	5.1	20	20	20	19	20	18
19	11	4.6	4.7	5.2	5.2	5.4	5.1	19	20	20	19	20	19
20	11	4.6	4.8	5.2	5.3	5.4	5.1	18	20	20	19	18	20
21	11	4.6	4.7	5.2	5.3	5.5	5.2	18	20	20	19	17	21
22	11	4.7	4.7	5.2	5.3	6.1	5.1	18	20	20	19	17	22
23	12	4.7	4.7	5.2	5.2	3.9	5.2	18	20	20	19	17	23
24	12	4.8	4.7	5.2	5.2	4.4	5.2	18	20	20	19	17	24
25	12	4.8	4.7	5.2	5.2	5.0	5.2	18	20	20	19	17	25
26	12	4.8	4.7	5.2	5.3	5.0	5.3	18	20	20	19	14	26
27	10	4.8	4.7	5.2	5.3	5.0	5.3	18	20	20	19	12	27
28	9.0	4.9	4.7	5.2	5.3	5.0	8.5	18	20	20	19	12	28
29	9.0	4.8	4.6	5.2	5.3	5.0	10	18	20	20	19	12	29
30	9.0	4.9	4.6	5.2		5.0	10	18	20	20	19	12	30
31	9.0		4.6	5.2		5.0		18		20	19		31
MEAN	15.1	6.9	4.6	5.0	5.2	5.3	5.6	18.1	19.6	20	19.1	18.8	MEAN
MAX.	19	9.4	4.8	5.2	5.3	6.1	10	20	20	20	20	23	MAX.
MIN.	9.0	4.6	4.6	3.1	5.2	3.9	5.0	10	18	20	19	12	MIN.
AC. FT.	928	408	286	309	300	324	330	1,113	1,168	1,230	1,174	1,119	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
\# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
12.0											8,689

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 32 00	121 28 55	SW 1 19N 4E	29 E	1.32	1-20-1964	APR 1963-DATE	APR 1963-DATE	1963		0.00	LOCAL

Station is located at the outlet of the relocation tunnel of Palermo Canal, 50 feet southeast of toe of the dam.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1972	A05191	FEATHER RIVER AT OROVILLE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	398	402	424	413	408	400	413	400	402	402	415	406	1
2	403	402	416	411	402	403	415	405	403	404	409	402	2
3	393	408	416	403	403	404	413	401	401	413	411	404	3
4	394	405	410	409	409	408	412	404	400	408	411	403	4
5	393	408	411	415	414	405	407	409	405	410	406	409	5
6	396	409	411	410	411	405	407	407	405	412	405	413	6
7	393	408	411	409	416	406	409	403	406	408	409	414	7
8	396	409	413	406	417	405	406	407	406	405	408	411	8
9	410	407	413	405	414	407	404	402	408	398	412	406	9
10	404	409	414	404	417	411	400	402	410	407	413	407	10
11	403	411	410	405	417	405	512	404	406	411	412	396	11
12	407	413	409	405	414	398	406	401	414	413	412	312	12
13	410	413	416	402	411	401	406	401	412	409	409	288	13
14	412	411	417	408	412	406	404	401	410	410	411	295	14
15	414	407	418	410	1,180	402	400	398	413	405	410	340	15
16	412	408	418	409	404	401	396	405	409	403	407	444	16
17	411	410	417	408	401	401	397	407	404	405	408	434	17
18	411	407	414	409	400	405	399	404	407	415	406	335	18
19	411	407	413	415	400	405	530	403	413	415	401	222	19
20	408	404	411	417	399	403	392	407	411	415	403	353	20
21	409	403	413	416	400	406	400	404	410	407	406	435	21
22	408	406	411	411	403	409	409	404	410	405	406	349	22
23	414	407	406	411	410	411	407	397	408	405	409	372	23
24	415	412	407	414	412	414	414	399	410	406	407	434	24
25	408	408	415	418	411	410	414	394	407	403	413	430	25
26	409	413	413	418	406	413	410	408	411	406	405	433	26
27	405	413	417	421	409	411	2,050	404	412	406	403	425	27
28	405	413	416	420	409	411	709	405	409	404	405	433	28
29	403	413	417	421	414	413	401	402	412	406	409	429	29
30	404	421	420	412		408	402	405	406	405	410	428	30
31	404		410	410		412		397		411	409		31
MEAN	406	409	412	411	435	406	476	403	408	407	408	389	MEAN
MAX.	415	421	424	421	1,180	414	2,050	409	414	415	415	444	MAX.
MIN.	393	402	406	403	399	398	392	394	400	398	401	222	MIN.
AC. FT.	24,920	24,330	25,440	25,280	25,040	24,990	28,450	24,770	24,280	25,050	25,110	23,130	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
\# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
414											300,800

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 31 07	121 32 50	SE 8 19N 4E	230,000		3-19-1907	OCT 1901-DATE	OCT 1901-DATE	1912	1934	139.53	USCGS
								1934	1962	182.02	USCGS
								1962	1964	0.00	USCGS
								1964		148.97	USCGS

Station located 300 feet above Fish Barrier Dam, 0.6 mile northeast of Oroville. Flow is regulated by reservoirs and powerplants. Flows diverted through Fish Hatchery are included. Maximum discharge listed at site then in use (approximately 167.5 feet, USCGS Datum). Drainage area is 3,626 square miles.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1972	A05975	THERMALITO AFTERBAY RELEASE TO FEATHER RIVER NEAR OROVILLE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	2,590	2,610	4,780	3,940	6,100	5,890	764	2,790	1,990	3,550	3,120	3,120	1
2	2,530	2,650	4,690	3,020	4,880	3,160	582	2,360	2,560	3,530	3,170	3,080	2
3	2,530	2,650	4,710	2,730	2,920	1,900	583	1,830	3,030	3,390	2,940	3,070	3
4	2,570	2,650	4,600	2,690	2,180	1,650	589	1,770	3,030	2,740	2,200	3,050	4
5	2,580	2,640	4,570	2,650	2,130	1,460	601	2,680	3,030	2,700	2,120	3,080	5
6	2,570	2,580	4,690	2,650	2,080	1,290	602	2,780	3,010	2,710	2,090	3,140	6
7	2,560	2,540	4,720	2,640	2,100	1,260	597	2,780	3,020	2,700	2,610	3,120	7
8	2,560	2,610	4,710	2,610	6,630	1,270	633	2,590	3,050	2,660	2,930	3,130	8
9	2,510	2,650 *	4,720	2,600	11,400 *	1,290	633	1,900	3,050	2,610	3,590	3,090	9
10	2,510	2,640	4,710	2,650	8,500	1,300	641 E	1,530	2,980	2,660	3,630	3,080	10
11	2,570	2,630	4,620	2,440	2,130	1,290	563 E	1,240	2,960	2,700	3,630	3,120	11
12	2,570	2,640	4,610	2,200	2,120	1,270	641 E	1,240	3,030	2,190	3,610	3,200	12
13	2,560 *	2,580	4,680	2,190	2,100	1,260	650 E	1,230	3,030 *	2,140	3,560	3,250	13
14	2,570	2,550	4,700	2,170	2,150	1,280 E	676 E	1,220	3,040	2,140	3,640	3,260	14
15	2,600	2,590	4,690 *	2,150	1,040	1,700 E	702 E	1,240	3,050	2,120	3,660	3,230	15
16	2,550	3,050	4,700	2,150	2,090	2,540 E	792 E	1,130	3,070	2,080	3,670	2,660	16
17	2,540	3,560	4,710	2,180	2,090	2,110 E	802 E	912	3,070	2,140	3,670	2,600	17
18	2,590	4,130	4,610	2,180	2,090	1,820 E	811 E	903	3,070	2,170	3,670	2,640	18
19	2,600	4,600	4,570	2,180	2,050	1,630 E	666 E	890 *	3,380	2,190	3,610	2,750	19
20	2,610	4,690	4,680	2,190	2,030	1,470 E	811 E	882	2,830	2,390	3,580	2,700	20
21	2,640	4,670	4,720	2,190	2,030	1,470 E	811 E	871	2,640	3,130	3,620	2,620	21
22	2,660	4,840	4,710	2,160	2,390	1,470 E	1,780 E	923 *	3,100	3,140	3,630	2,610	22
23	2,620	4,880	4,710	2,140	4,100	2,010 E	1,780 E	967	3,150	3,140	3,610 *	2,620	23
24	2,550	4,870	4,680	2,170	5,850	2,560 E	1,780 E	967	3,070	3,180	3,370	2,580	24
25	2,570	4,770	4,630	2,180	5,910	2,570	1,810 E	967	3,040	3,200	3,120	2,600	25
26	2,620	4,840	4,570	2,180	6,170	2,540	1,810 E	967	3,120	2,890	3,070	2,620	26
27	2,660	4,780	4,630	2,660	6,760	2,580	388 E	967	3,530	2,670	3,060	2,640	27
28	2,660	4,760	4,700	3,170	6,850	2,590	1,450 E	967	3,570	2,660	3,110	2,630 *	28
29	2,640	4,850	4,640	3,130	6,850	2,590	2,810 E	967	3,590	2,640	3,120	2,630	29
30	2,600	4,860	4,670	3,120		1,760	2,790 E	1,100	3,580	2,610	3,120	2,620	30
31	2,560		4,590	4,480		1,280		1,530		2,670	3,130		31
MEAN	2,582	3,579	4,668	2,574	3,990	1,944	1,018	1,455	3,056	2,692	3,247	2,885	MEAN
MAX.	2,660	4,880	4,780	4,480	11,400	5,890	2,790	2,790	3,590	3,550	3,670	3,260	MAX.
MIN.	2,510	2,540	4,570	2,140	1,040	1,260	388	871	1,990	2,080	2,090	2,580	MIN.
AC. FT.	158,800	212,900	287,000	158,300	229,500	119,500	60,590	89,430	181,800	165,500	199,700	171,600	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
2,803											2,035,000

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 27 23	121 38 10	SE 33 19N 3E	21,600		1-28-1970	DEC 1967-DATE	DEC 1967-DATE	1967		0.47	USCGS

Station located in river outlet channel, 5.7 miles southwest of Oroville. Station measures flows released to Feather River through Thermalito Afterbay.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1972	A05165	FEATHER RIVER NEAR GRIDLEY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	3,020	2,870	5,260	4,530	6,610	6,620	1,270	3,250	2,290	4,130	3,770	3,060	1
2	2,980	2,920	5,180	3,600	5,720	3,960	1,030	2,830	2,830	4,080	3,910	3,010	2
3	2,950	2,940	5,180	3,150	3,420	2,400	1,010	2,280	3,480	3,950	3,650	3,570	3
4	2,990 *	2,940	5,070	3,150	2,680	2,140	993	2,130	3,340	3,100	2,730	3,550	4
5	2,990	2,930	5,050	3,100	2,610	1,950	998	3,060	3,370	3,010	2,610	3,630	5
6	2,980	2,890	5,140	3,070	2,550	1,780	996	3,220	3,380	3,040	2,550	3,670	6
7	2,960	2,820 *	5,180 *	3,070	2,530	1,730	975 *	3,230	3,390	3,040	3,060	3,620	7
8	2,950	2,860	5,170	3,040	6,080	1,700	1,010	3,030	3,420	3,010	3,490	3,620	8
9	2,910	2,930 *	5,200	3,020	11,800 *	1,710	1,020	2,250	3,450	2,950	4,420	3,570	9
10	2,890	2,920	5,200	3,040	9,950	1,730	1,040	2,000	3,360	3,020	4,510	3,540	10
11	2,920	2,950	5,110	2,920	2,680	1,710	1,110	1,700	3,290	3,110 *	4,520	3,620	11
12	2,950	2,960	5,100	2,640 *	2,590	1,680	1,110	1,690	3,360	2,550	4,460	3,640	12
13	2,940	2,940	5,100	2,620	2,540	1,670	1,100	1,660	3,380	2,440	4,390	3,650	13
14	2,930	2,850	5,130	2,610	2,560	1,660 *	1,120	1,630	3,400	2,450	4,480 *	3,660	14
15	2,930	2,870	5,130	2,560	2,260	1,950	1,170	1,650	3,380	2,460	4,510	3,640	15
16	2,910	3,260	5,130	2,570	2,540	2,760	1,230	1,590	3,390	2,420	4,460	3,140	16
17	2,880	3,800	5,140	2,580	2,500	2,500	1,270	1,390	3,440	2,480	4,430	3,000	17
18	2,930	4,410	5,060	2,490	2,490	2,190	1,290 *	1,370	3,360	2,560	4,430	3,000 *	18
19	2,940	4,820	5,020	2,610	2,480	1,990	1,300	1,350	3,810	2,590	4,350	2,990	19
20	2,930	5,010	5,080	2,630	2,440	1,860	1,300	1,360	3,150	2,830	4,280	3,020	20
21	2,960	4,990	5,130	2,650	2,450	1,840	1,290	1,340	2,860	3,820	4,330	3,060	21
22	2,980	5,140	5,240	2,640	2,720	1,840	2,060	1,350	3,340	3,930	4,340	3,020	22
23	2,960	5,220	5,180	2,590	4,300	2,190	2,170	1,410	3,450	3,900	4,310	3,020	23
24	2,880	5,260	5,170	2,580	6,380	2,890	2,190	1,420	3,370	3,950	4,060	3,080	24
25	2,870	5,160	5,120	2,630	6,480	2,770	2,200	1,430 *	3,310	4,000	3,700	3,100	25
26	2,920	5,220	5,020	2,640	6,650	2,700	2,210	1,400	3,400 *	3,600	3,640	3,150	26
27	2,950	5,190	5,040	3,010	7,300	2,750	2,210	1,400	3,880	3,240	3,590	3,220 *	27
28	2,930	5,220	5,140	3,570	7,400	2,810	2,330	1,360	4,010	3,210	3,680	3,190	28
29	2,920	5,260	5,090	3,530	7,410	2,790	3,190	1,340	4,090	3,190	3,700	3,160	29
30	2,900	5,270	5,100	3,530		2,150	3,220	1,410	4,130	3,160	3,690	3,140	30
31	2,830		5,050	4,580		1,640		1,840		3,210	3,670		31
MEAN	2,934	3,894	5,126	2,998	4,486	2,324	1,513	1,882	3,403	3,175	3,926	3,351	MEAN
MAX.	3,020	5,270	5,260	4,580	11,800	6,620	3,220	3,250	4,130	4,130	4,520	3,670	MAX.
MIN.	2,830	2,820	5,020	2,490	2,260	1,640	975	1,340	2,290	2,420	2,550	2,990	MIN.
AC. FT.	180456	231709	315193	184364	258089	142929	90073	115775	202492	195233	241428	199418	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
= — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
3247.0	11800	29.79	02	09	1465	937.0	24.98	04	07	1230	2357160

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 22 01	121 38 43	SW 33 18N 3E		102.25	12-23-1955	JAN 1944-DATE	MAR 29-MAY 37# OCT 37-APR 39 NOV 39-JUL 40 OCT 40-JUL 43 OCT 43-DATE	1929 1929		0.00 -2.91	USED USCGS

Station located near highway bridge 2.7 miles east of Gridley. Subsequent to 1962, tabulations include all left bank overflow. Records of discharge published prior to 1963 listed only that water in the main channel. Drainage area is 3,676 square miles.

- Flood season only.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1972	A05735	NORTH HONCUT CREEK NEAR BANGOR

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	2.7	4.6	4.2	24	30	23	6.1	3.1	1.5	0.2	*	0.0*	1
2	2.7	3.8	4.0*	19	24	20	9.3	2.9	1.5	0.1		0.0	2
3	2.6	3.5*	4.8	17	19	19	11	2.9	1.6	0.0		0.0	3
4	2.7	3.5	6.9	15 *	17	19	11 *	3.0	1.6	0.0		0.0	4
5	2.4	3.7	6.3	13	61	17	11	3.1	1.5	0.0		0.0	5
6	2.1	3.8	4.9	12	177	15	14	3.3	1.4	0.0		0.0	6
7	1.6	3.7	4.2	11	84	14	14	3.7	1.5	0.0		0.0	7
8	1.2	3.6	3.7	11	47	13	12	3.6	1.6	0.1		0.0	8
9	1.0	3.3	4.0	9.6	35	13	11	3.4	1.7	0.0		0.0	9
10	0.8	3.5	4.4	8.7	27 *	13	10	3.1	2.3	0.0		0.0	10
11	1.2	3.9	4.9	8.1	23	13	11	2.9	2.4	0.0	N	0.0	11
12	2.6	5.6	5.6	7.7	20	12	15	2.6	2.1	0.0		0.0	12
13	3.0	8.0	14	7.4	17	11	30	2.5	1.8	0.0	O	0.0	13
14	2.6	11	9.9	7.1	16	10	19	2.2	1.6	0.0		0.0	14
15	2.7	7.3	7.5*	6.8	15	9.5*	14	2.0	1.4	0.0		0.0	15
16	4.0	5.6	6.2	6.6	14	8.7	12	1.8	1.4	0.0	F	0.0	16
17	5.1	5.1	5.2	6.3	13	8.1	10	1.8	1.3	0.0		0.0	17
18	4.9	4.5	4.6	6.0	12	7.7	8.7	1.9	1.2	0.0	L	0.0	18
19	4.5*	4.3	4.1	6.0	12	7.0	7.5	1.9	1.1	0.0		0.0	19
20	4.3	4.2	3.8	6.2	11	6.8	7.4	2.5	1.1	0.0	O	0.0	20
21	5.1	4.2	3.7	6.5	11	6.4	6.1	4.7	0.9	0.0	W	0.0	21
22	5.8	4.4	42	6.6	12	6.7	5.5	7.3	0.7	0.0		0.0	22
23	5.8	4.4	64	7.5	14	9.6	5.3	6.7	0.6	0.0		0.0	23
24	6.3	4.4	263	10	15	8.2	5.8	4.2	0.8	0.0		0.0	24
25	5.8	4.4	328	8.5	17	7.4	5.7	3.4	1.0	0.0		0.0	25
26	5.5	4.7	141	15	45	7.0	5.1	2.9	1.0	0.0		0.0	26
27	5.4	6.3	82 *	59	31	6.5*	4.4	2.6	0.9	0.0		3.2	27
28	5.2*	5.9	84	84	24	6.2	3.9	2.3	0.7	0.0		2.3	28
29	5.1	6.4	54	63	27	5.7	3.4	2.1	0.4	0.0		1.5	29
30	5.0	5.0	48	51		5.4	3.3	1.7	0.3	0.0		1.2	30
31	5.1		31	38		5.4		1.5		0.0			31
MEAN	3.7	4.9	40.4	18.0	30.0	10.8	9.8	3.0	1.3	0.0		0.3	MEAN
MAX.	6.3	11.0	328	84.0	177	23.0	30.0	7.3	2.4	0.2		3.2	MAX.
MIN.	0.8	3.3	3.7	6.0	11.0	5.4	3.3	1.5	0.3	0.0		0.0	MIN.
AC. FT.	227	291	2487	1106	1726	663	580	186	77	1		16	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
= — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
10.1	1020	7.32	12	24	2215	0.0	2.37	07	05	2015	7359

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 20 32	121 29 25	SW 11 17N 4E	10,700 E	11.57	12-26-1964	OCT 59-SEPT 62 JUL 63-DATE	OCT 59-SEPT 62 JUL 63-DATE	1959 1963	1962	0.00 0.00	LOCAL LOCAL

Station located 0.4 mile north of Honcut-Wyandotte Road and Bangor Highway junction, 5.7 miles southwest of Bangor. Tributary to Feather River. Flow partly regulated by Lake Wyandotte. Drainage area is 47.1 square miles.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1972	A61265	SQUIRREL CREEK NEAR PENN VALLEY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1					23	32	9.4	13	11	11	9.7	11	1
2					19	29	9.4	13	11	13	9.7	11	2
3					17	26	9.7	12	13	13	10	12	3
4					17	24	10 *	11	13	16	12	13	4
5					NR	22	17	12	11	16	12	14	5
6					NR	21	38	14	12	16	12	13	6
7					NR	19	20	15	11	17	11	9.9	7
8					NR	18	16	16	15 *	16	12	8.2	8
9					NR	18	15	16	14	16	12	7.7	9
10					NR	20	14	16	18	17	12	13	10
11					17	18	25	14	17	17	11	14	11
12					16	17	57	13	16	16	11	13	12
13					15	17	45	12	14	15	12	13	13
14					14	17	25	11	12	15	12	12	14
15					13	14 *	20	9.4	12	14	12	12	15
16					13	10	18	8.2	11	16	13	12	16
17					13	9.9	15	11	10	16	14	12	17
18					12	9.9	15	12	9.8	16	13	13	18
19					12	12	14	12	9.4	16	13	16	19
20					11	14	14	18	9.7	17	13	18	20
21					12	12	15	22	10	17	13	17	21
22					19	17	15	19	10	16	13	16	22
23					24	15	14	16	14	14	13	16	23
24					310	14	20	14	15	13	13 *	16	24
25					209	14	17	9.4	14	13	13	17	25
26					81	13	17	11	11	12	13	30	26
27					43	13	15	9.8	11	11	13	28	27
28					36	13	14	12	10	11	14	15	28
29					47	13	14	12	9.8	9.8	14	14	29
30						11	13	12	11	10	14	13	30
31'						9.4		11		11	12		31
MEAN					NR	16.5	18.7	13.1	12.2	14.4	12.3	14.3	MEAN
MAX.					NR	32	57	22	18	17	14	30	MAX.
MIN.					NR	9.4	9.4	8.2	9.4	9.8	9.7	7.7	MIN.
AC. FT.					NR	1,016	1,112	807	725	886	756	852	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
\# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
NR	NR	NR				NR	NR				NR

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 12 38	121 12 06	SW 28 16N 7E				FEB 1972-DATE	FEB 1972-DATE	1972		0.00	LOCAL

Station located 0.4 mile north of Highway 20 on Bridgeport Road, 1.5 miles northwest of Penn Valley. Station established and operated in cooperation with Nevada Irrigation District.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1972	A05120	FEATHER RIVER BELOW SHANGHAI BEND

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	5,180	4,280	7,160	7,540	7,650	8,270	2,480	3,550	2,560	4,520	4,710	5,890	1
2	5,070	4,360	7,040	6,680	8,080	6,370	2,020	3,400	2,940	4,420	5,200	5,610	2
3	4,970	4,510	7,080	5,790	5,860	4,060	1,840	2,920	3,700	4,400	5,180	5,780	3
4	4,940 *	4,540	7,080	5,700	4,770	3,540	1,770	2,620	3,800	3,860	4,440	5,790	4
5	4,990	4,530	6,900	5,590 *	4,500	3,240	1,830	3,060	3,810	3,430	3,920	5,890	5
6	4,960	4,540	6,890	5,520	5,300	3,040	1,950	3,790	3,810	3,460	3,830	6,120	6
7	4,970	4,470 *	6,970 *	5,490	4,950	2,950	1,910 *	3,840	3,860	3,430	4,010	6,130	7
8	4,980	4,500	6,940	5,460	5,020	2,900	1,850	3,900	3,900	3,410	4,460	6,130	8
9	4,900	4,720	6,970	5,420	12,200 *	2,900	1,850	3,370	3,970	3,360	5,210	6,130	9
10	4,850	4,780	7,020	5,430	13,400	2,950	1,850	2,900	4,040	3,350	5,680	6,070	10
11	4,820	4,860	7,290	5,520	7,150	2,910	1,900	2,500	3,920	3,640 *	5,730	6,120	11
12	4,840	4,930	7,330	5,230 *	4,630	2,870	2,100	2,400	3,900	3,460	5,760	6,260	12
13	4,740 *	5,010	7,360	5,150	4,480	2,830	2,270	2,380	3,940	3,080	5,720	6,280	13
14	4,810	4,890	7,520	5,120	4,440	2,800 *	2,060	2,340	3,910	3,120	5,750 *	6,240	14
15	4,670	4,810	7,480	5,110	4,390 *	2,710	1,990	2,340	3,900	3,320	5,900	6,240	15
16	4,440	4,990	7,450	5,210	4,230	3,240	1,900	2,340	3,890	3,350	5,740	6,110	16
17	4,440	5,520	7,430	5,270	4,360	3,570	1,930	2,170	3,960	3,370	5,770	5,740	17
18	4,440	5,880	7,370	5,340	4,330	3,110	1,790 *	2,100	3,850	3,610	5,790	5,210 *	18
19	4,490	6,410	7,240	5,290	3,880	2,890	1,710	2,090	4,200	3,830	5,770	3,890	19
20	4,500	6,780	7,220	5,320	3,610	2,740	1,690	2,190	3,870	3,860	5,710	3,790	20
21	4,470	6,800	7,340	5,130	3,550	2,690	1,640	2,290	3,440	4,430	5,720	3,800	21
22	4,490	6,900	7,820	4,620	3,600	2,770	1,840	2,240	3,550	5,090	5,950	3,780	22
23	4,500	7,080	8,450	4,710	4,360	2,760	2,480	2,280	3,980	5,110	6,480	5,100	23
24	4,430	7,080	8,290	5,250	6,510	3,570	2,480	2,240	3,960	5,170	6,450	5,500	24
25	4,440	7,060	11,000	4,530	8,330	3,690	2,440	2,220 *	3,830	5,220	5,500	5,550	25
26	4,460	7,010	10,400	4,450	10,900	3,620	2,600	2,120	3,850 *	5,150	5,780	5,780	26
27	4,540	7,100	9,500	4,660	11,500	3,690	2,570	2,050	4,090	4,520	5,780	5,820	27
28	4,510	7,130	9,540	5,700	9,160	3,710	2,570	2,020	4,350	4,410	5,860	5,790	28
29	4,460	7,130	9,190	6,570	8,490	3,810	3,050	1,950	4,450	4,420	6,000	5,740	29
30	4,420	7,200	8,900	5,720		3,650	3,590	1,900	4,530	4,430	5,980	5,710	30
31	4,310		8,390	5,410		2,930		2,120		4,440	5,940		31
MEAN	4,678	5,660	7,824	5,417	6,332	3,444	2,131	2,568	3,858	4,021	5,474	5,806	MEAN
MAX.	5,180	7,200	11,000	7,540	13,400	8,270	3,590	3,900	4,530	5,220	6,480	6,280	MAX.
MIN.	4,310	4,280	6,890	4,450	3,550	2,690	1,640	1,900	2,560	3,080	3,830	3,780	MIN.
AC. FT.	287663	336793	481110	333084	364225	211795	126843	157944	229606	247279	336635	333600	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
= — E AND *

WATER YEAR SUMMARY

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
4747.7	13500	40.17	02	10	1745	1600.0	32.23	04	21	2145	3446577

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 04 44	121 36 08	NE 11 14N 3E		76.8	12-24-1955	JUN 44-OCT 55 ö JAN 46-DATE	NOV 26-MAY 35 # OCT 37-MAY 39 NOV 39-JUL 41 NOV 41-JUL 43 # OCT 43-DATE	1926 1926		0.00 -3.01	USED USCGS

Station located approximately 4 miles south of Yuba City. Flow partly regulated by reservoirs and powerplants. Drainage area is 5,337 square miles.

ö - Irrigation season only.
\# - Flood season only.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1972	A02903	SACRAMENTO WEIR SPILL TO YOLO BYPASS

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1													1
2													2
3													3
4													4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12													12
13													13
14													14
15						NO FLOW FOR THE ENTIRE YEAR								15
16													16
17													17
18													18
19													19
20													20
21													21
22													22
23													23
24													24
25													25
26													26
27													27
28													28
29													29
30													30
31													31
MEAN													MEAN
MAX.													MAX.
MIN.													MIN.
AC. FT.													AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
\# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
			118,000 E	32.8	3-26-1928	1926-DATE					

See Sacramento River at Sacramento Weir for stage record and location. Elevation of fixed crest of weir is 24.5* feet, USED Datum; elevation of movable crest (top of needles) is 30.5* feet, USED Datum. There are 48 gates, each 38 feet in length.

*From 1964 surveys. Previously listed as 25.0 and 31.0, respectively.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1972	A00047	DRY CREEK AT ROSEVILLE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	32 *	27	29	64	49	47	26	26	17	13	14	13	1
2	31	26	29	61	47	46	29	24	16	13	15	14	2
3	30	25	29	57	45	46	29	22	16	13	16	15	3
4	28	24	30	53	45	45	28	21	16	13	15	16	4
5	26	23	31	50	279	43	37	22	15	14	15	19	5
6	23	21	31	49	311	42	59	25	13	14 *	15	17	6
7	22	20	30	48	121	39	48	26	13	16	14	16	7
8	23	19	30	47	91 *	36	42	27	14	15	15	14	8
9	23	18 *	29	44	80	37	37	27	16	15	14	14	9
10	22	18	29	44	72	43	33	24	21	15	13	13	10
11	23	18	29	45	69	43	53	22	22	15	11	14	11
12	24	22	30	45	63	39	73	19 *	21	14	12	15	12
13	23	28	33	47	60	37	76	18	18	13	13	14	13
14	24	32	34	46 *	52	33	50	16	16	12	14	13	14
15	24	31	34	45	51	32 *	43	16	15	14	16	13	15
16	26	29	34	45	49	29	39	15	15	13	16	12	16
17	33	27	34	46	49	26	35	16	16	15	18	12	17
18	36	27	33	45	48	27	34	17	15	15	17	12	18
19	36	27	33	44	47	25	31	19	15	16	17	13	19
20	36	27	32	44	47	25	28	27	15	16	17	12	20
21	37	27	32	44	46	25	26	37	14	17	16	13	21
22	36	27	47	46	47	32	27	37	15	16	16	13	22
23	35	27	77	58	45	39	24	34	17	16	15	14	23
24	36	27	94	53	49	38	49	30	20	15	15	16	24
25	36	27	675	48	80	38	45	27	19	15	12	19	25
26	34	27	262	48	66	37	40	24	17	14	10	58	26
27	30	27	330	92	55	35	36	23	16	14	11	102	27
28	29	27	206 *	88	49	33	32	21	14	13	11	72	28
29	28	28	104	62	48	32	31	18	14	12	13 *	50 *	29
30	28	29	85	55		32	29	17	13	12	13	44	30
31	27		71	51		28		17		12	13		31
MEAN	29.1	25.4	84.1	52.1	74.5	35.8	39.0	23.0	16.1	14.2	14.3	22.7	MEAN
MAX.	37.0	32.0	675	92.0	311	47.0	76.0	37.0	22.0	17.0	18.0	102	MAX.
MIN.	22.0	18.0	29.0	44.0	45.0	25.0	24.0	15.0	13.0	12.0	10.0	12.0	MIN.
AC. FT.	1787	1511	5169	3201	4284	2200	2319	1416	960	873	877	1353	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
35.7	794	6.97	12	25	0815	10.0	3.13	08	26	1100	25950

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 44 47 -	121 16 57	SE 2 10N 6E	2,370	15.90	1-26-1969	APR 1966-DATE	APR 1966-DATE	1966		0.00	LOCAL

Station located 1,400 feet above Douglas Street bridge. Prior to November 3, 1969, station located 100 feet above Douglas Street bridge. Tributary to Sacramento River via Linda Creek and Back Borrow Pit of Reclamation District 1000.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1972	A02100	SACRAMENTO RIVER AT SACRAMENTO

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	18,400	13,800	19,200	25,200	23,600	27,100	13,000	12,000	11,400	17,200	15,600	15,700	1
2	18,900	14,100	19,100	24,000	25,200	31,100	12,500	11,500	12,100	16,800	15,700	16,100	2
3	18,800	14,200	19,300	22,800	25,000	30,000	12,400	10,900	12,600	16,700	15,900	16,300	3
4	18,500	14,200	19,300	21,300	23,000	27,400	12,800	10,700	13,300	16,600	16,000	16,000	4
5	18,400	14,100	19,400	19,900	22,500	30,000	12,900	10,600	13,500	16,200	15,300	15,900	5
6	18,500	14,200	19,500	19,100	23,200	32,200	13,300	11,000	13,100	15,600	14,700	15,900	6
7	18,300	14,200	19,400	18,800	24,800	31,900	13,600	12,400	12,800	15,000	14,400	16,100	7
8	18,100	14,300	19,300	18,700	24,400	30,800	14,900	13,400	13,100	14,600	14,300	16,500	8
9	18,000	14,400	19,300	18,500	25,300	29,800	15,500	13,800	13,000	14,400	14,300	16,900	9
10	17,800	14,500	19,200	18,300	29,500	28,900	15,400	13,800	13,200	14,400	14,800	17,300	10
11	17,400	14,300	19,200	18,200	29,500	28,200	14,700	13,600	13,500	14,400	15,100	17,500	11
12	17,100	14,800	19,200	18,000	23,800	27,900	14,800	13,100	13,900	14,600	15,400	17,800	12
13	17,000	15,300	19,400	17,800	20,700	27,900	15,200	12,700	13,900	14,300	15,400	18,200	13
14	16,300	15,700	19,300	17,600	19,900	27,100	16,400	12,700	13,900	13,900	15,500	18,400	14
15	15,800	15,500	19,900	17,000	19,400	26,100	16,900	12,800	13,600	13,800	15,500	18,400	15
16	15,400	15,400	19,600	16,500	18,900	25,100	16,000	12,900	13,100	14,100	15,700	18,300	16
17	14,800	15,300	19,200	16,600	18,600	24,500	14,700	12,800	12,900	14,100	15,600	18,200	17
18	14,700	15,400	19,100	17,000	18,000	24,200	13,700	12,600	13,100	13,900	15,800	17,800	18
19	14,500	15,800	18,900	17,100	17,500	24,000	13,200	12,500	13,600	13,800	16,300	16,900	19
20	14,300	16,900	18,900	17,600	16,600	23,700	12,400	12,600	13,800	13,900	16,400	16,000	20
21	14,400	17,400	18,900	17,700	16,000	22,600	11,600	13,500	13,500	13,800	16,500	16,100	21
22	14,300	17,600	19,600	17,400	16,000	19,700	10,800	14,300	13,400	14,300	16,200	16,100	22
23	14,400	17,800	21,000	17,900	15,900	16,900	10,900	15,400	13,900	15,100	16,400	15,700	23
24	14,400	17,800	25,200	21,000	16,700	15,500	11,600	15,800	14,200	15,400	16,800	16,000	24
25	14,400	17,900	28,400	24,500	19,500	16,500	11,500	15,200	14,600	15,400	16,600	16,000	25
26	14,400	18,000	29,600	23,900	25,100	16,400	11,300	14,400	15,000	15,500	16,000	16,300	26
27	14,400	17,900	29,600	22,400	28,000	16,000	11,100	13,300	15,700	15,600	16,100	16,700	27
28	14,500	18,100	31,100	22,500	28,100	15,800	10,100	12,700	16,800	15,300	16,300	17,000	28
29	14,200	18,100	30,300	24,300	26,700	15,200	9,800	12,200	17,300	15,200	16,200	17,200	29
30	14,000	18,600	28,400	24,700		14,600	10,600	11,600	17,300	15,400	15,200	17,200	30
31	13,800		26,700	23,700		13,700		11,500		15,700	15,400		31
MEAN	16,070	15,850	21,760	20,000	22,120	23,900	13,120	12,850	13,840	15,000	15,660	16,820	MEAN
MAX.	18,900	18,600	31,100	25,200	29,500	32,200	16,900	15,800	17,300	17,200	16,800	18,400	MAX.
MIN.	13,800	13,800	18,900	16,500	15,900	13,700	9,800	10,600	11,400	13,800	14,300	15,700	MIN.
AC. FT.	988,200	943,400	1,338,000	1,230,000	1,272,000	1,469,000	780,700	790,000	823,400	922,300	962,800	1,001,000	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
17,250											12,520,000

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 35 20	121 30 15	NW 35 9N 4E	104,000	30.14	11-21-1950	1904-1905	JAN 04-JUL 05	1904	1956	0.12	USCGS
						JUN 21-NOV 21"	20-DATE	1956		0.00	USCGS
						MAY 24-DEC 420"		1956		2.98	USED
						MAY 43-DATE			1965	-0.23	USCGS
								1965		0.00	USCGS

Station located 1,000 feet above I Street bridge, 0.5 mile below the American River. Below approximately 30,000 cfs, the stage-discharge relationship is affected by tidal influence. Maximum discharge listed at site and datum then in use. Records furnished by U. S. Geological Survey. Drainage area is 23,530 square miles.

" - Irrigation season only.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1972	A81810	MIDDLE CREEK NEAR UPPER LAKE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	1.0	1.0	67	85	228	31	24	6.7	0.0		0.0	1
2	0.0	1.0	1.1	76	73	272	31	23	6.2	0.1		0.0	2
3	0.0	1.0	1.1	70	67	348	30	22	5.4	0.1		0.0	3
4	0.0	1.0	1.0	54	137	265	29	21	4.4	0.1		0.0	4
5	0.0	1.0	1.0	44	175	207	36	20	3.8	0.2		0.0	5
6	0.0	1.0	1.0	37	159	152	47	20	2.2	0.1		0.0	6
7	0.0	1.0	8.6	32	137	131	35	19	2.4	0.1		0.0	7
8	0.0	1.0	10	28	117	111 *	31	20	2.2	0.1		0.0	8
9	0.3	1.0	22	24	100	98	30	19	2.1	0.0		0.0	9
10	0.6	1.0	34	21	86	96	28	18	2.0	0.0		0.0	10
11	0.6	1.1	32	20 *	73	87	57	16	1.8	0.0		0.0	11
12	0.7	1.1	105	20	65	75	151	15	1.7	0.0		0.0	12
13	0.7	1.2	65	19	58	67	138	14	1.6	0.0		0.0	13
14	0.7	1.0	42	18	52	60	90	15	1.7	0.0		0.0	14
15	0.7	1.0	46	17	45	54	72	12	1.7	0.0		0.0	15
16	0.7	1.0	30	16	40	48	61	12	1.6	0.0		0.0	16
17	0.8	1.0	24	15	38	44	53	11	1.6	0.0		0.0	17
18	0.8	1.0	24	14	36	40	47	12	1.3	0.0		0.0	18
19	0.8	1.0	21	20	33	38	41	12	1.1	0.0		0.0	19
20	0.9	1.0	18	46	35	35	36	16	0.8	0.0		0.0	20
21	0.9	1.0	18	152	33	33	33	19	0.7	0.0		0.0	21
22	0.9	1.0	284	402	86	68	32	16	0.6	0.0		0.0	22
23	1.0	1.0*	185	622	188	63	31	14	0.6	0.0		0.0	23
24	0.9	1.0	254	260	240	48	33	13	0.6	0.0		0.0	24
25	0.9	0.9	194	200	216	55	30	12	0.7	0.0		0.2	25
26	1.0	1.1	123	152	280	47	30 *	11	0.6	0.0		0.6	26
27	0.9	1.0	122	127	233	42	29	10	0.3	0.0		0.5	27
28	0.9	1.1	82	101	251	38	28	9.4	0.1*	0.0		0.5	28
29	0.9	1.0	66	94	313	35	26	9.1	0.1	0.0		0.5	29
30	1.0	1.0	58	90		34	25	8.4	0.0	0.0		0.4	30
31	1.0		55	91		32		7.6		0.0			31
MEAN	0.6	1.0	62.2	95.1	119	95.2	45.7	15.2	1.9	0.0		0.1	MEAN
MAX.	1.0	1.2	284	622	313	348	151	24.0	6.7	0.2		0.6	MAX.
MIN.	0.0	0.9	1.0	14.0	33.0	32.0	25.0	7.6	0.0	0.0		0.0	MIN.
AC. FT.	37	60	3826	5849	6845	5853	2719	933	112	2		5	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
≠ — E AND *

WATER YEAR SUMMARY

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
36.1	1210	8.56	01	22	2330	0.0	4.92	10	01	0000	26242

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 10 59	122 54 39	NE1 15N 10W				OCT 48-SEP 53 MAR 59-SEP 59 AUG 62-DATE	OCT 48-DATE	1959 1962	1962	1353.6 0.00	USCGS LOCAL

Station located at Ranchera Road bridge, 1.3 mi. N of Upper Lake. Tributary to Clear Lake. Flow affected by upstream diversion.
Drainage area is 48.5 sq. mi.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1972	A81845	SCOTTS CREEK AT EICKHOFF ROAD NEAR LAKEPORT

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1			0.0	89	54	125	19	10					1
2			0.0	89	44	151	19	9.6					2
3			0.0	82	39	180	18	9.1			#		3
4			0.0	56 *	100	152	17	8.4					4
5	#		0.0	41	175	121	25	7.8					5
6			0.0	33	144	99	51	7.4					6
7			0.0	29	105	85	31	7.1					7
8			0.0	25	83	74 *	24	7.3					8
9			0.0	22	68	67	22	6.6					9
10			0.0	20	56	70	20	6.2					10
11	N	N	0.0	18 *	45	59	25	5.8	N	N	N	N	11
12			62	18	39	53	78	5.1					12
13	O	O	137	20	34	48	85	4.3	O	O	O	O	13
14			67	18	30	44	59	3.6					14
15			18	16	27	40	48	2.9					15
16	F	F	3.7	14	25	37	40	2.4	F	F	F	F	16
17			0.0	13	23	34	34	2.3					17
18	L	L	0.0	12	22	32	29	2.6	L	L	L	L	18
19			0.0	12	21	30	21	2.3					19
20	O	O	0.0	14	22	28	22	2.6	O	O	O	O	20
21	W	W	0.0	38	21	27	18	4.0	W	W	W	W	21
22			155	83	99	50	11	4.2					22
23			99	223	253	54	16	3.5					23
24			219	106	235	38	19	2.0					24
25			128	114	187	37	16	1.1					25
26			84	97	170	31	14 *	0.6					26
27			128	82	135	28	13	0.3					27
28			81	69	126	25	12	0.1	#				28
29			72	64	164	23	11	0.0					29
30			77	63		20	9.9	0.0					30
31			75	60		20		0.0					31
MEAN			45.3	52.9	87.8	60.7	27.6	4.2					MEAN
MAX.			219	223	253	180	85.0	10.0					MAX.
MIN.			0.0	12.0	21.0	20.0	9.9	0.0					MIN.
AC. FT.			2788	3253	5050	3733	1640	256					AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

WATER YEAR SUMMARY

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
23.0	596	5.93	12	24	1545	0.0	1.90	10	01	0000	16720

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 05 44	122 57 38	NW3 14N 10W	11000		1/23/70	MAR 68-DATE	MAR 68-DATE	1966		0.00	LOCAL

Station located at Eickhoff Road Bridge, 4.2 mi. NW of Lakeport. Prior to October 1, 1968, gage at site 3.0 mi. upstream. Tributary to Clear Lake via Middle Creek. Flow affected by upstream diversion. Drainage area is 55.2 sq. mi.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1972	A81940	CLOVER CREEK BYPASS NEAR UPPER LAKE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1													1
2													2
3													3
4													4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
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23													23
24													24
25													25
26													26
27													27
28													28
29													29
30													30
31													31
MEAN													MEAN
MAX.													MAX.
MIN.													MIN.
AC. FT.													AC. FT.

DURING THE 1971-72 WATER YEAR NO DAILY MEAN FLOWS IN EXCESS OF 100 CFS OCCURRED.

FLOWS OF LESS THAN THIS MAGNITUDE ARE NOT PUBLISHED.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
\# — E AND *

WATER YEAR SUMMARY

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 10 33	122 54 00	SE6 15N 9W	4970	7.64	1/23/70	NOV 59-SEPT 66 OCT 68-DATE	NOV 59-DATE	1959		0.00	LOCAL

Station located 0.2 mi. above Lake Pillsbury Road bridge, 0.8 mi. N of Upper Lake. Tributary to Clear Lake via Middle Creek.
Flows of less than 100 daily mean cfs not published.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1972	A81250	BEAR CREEK NEAR RUMSEY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	1.6	1.6	2.4	78	12	10	5.4	3.8	1.9	0.1		0.0	1
2	1.2	1.6	3.1	114	11	9.5	5.5	3.8	1.9	0.1		0.0	2
3	1.1	1.6	4.2	60	10	9.5	5.3	3.7	1.8	0.0	*	0.0	3
4	1.0	1.6	4.4	28	27	10	5.0	3.5	1.8	0.0		0.0	4
5	0.9	1.6*	3.7	17	174	9.8	5.5	3.4	1.6	0.0		0.0	5
6	0.9	1.7	3.0	13	102	8.9	6.0	3.4	1.5	0.0		0.0	6
7	0.9	1.6	2.7	11	51	8.5	6.0	3.4	1.2	0.0		0.0	7
8	0.9	1.7	2.4	10	36	8.5	6.4	3.4	1.3	0.0		0.0	8
9	1.0	1.7	2.4	9.4	28	8.3	6.1	3.3	1.2	0.0*		0.0	9
10	0.9	1.8	2.5*	8.7	23	8.2	5.5	3.2	1.7	0.0		0.0	10
11	0.9	2.2	2.8	8.2	20	7.9	6.4	3.1	2.2	0.0	N	0.0	11
12	1.0	3.1	3.1	7.9	18	7.4	9.0	3.1	1.6	0.0		0.0	12
13	1.0	3.2	3.3	7.8	16	7.3	10	2.9	1.4*	0.0	O	0.1	13
14	1.0	3.1	3.1	7.7	15	7.1	9.6	2.7	1.2	0.0		0.2	14
15	1.0	2.3	2.9	7.4	14	6.8	8.3	2.5	1.0	0.0		0.2*	15
16	1.1	1.9	2.8	7.2	13	6.8*	7.5	2.5	0.9	0.0	F	0.2	16
17	1.3	1.8	2.6	7.2	12 *	6.8	6.7	2.7	0.8	0.0		0.2	17
18	1.3	1.7	2.7	7.2	12	6.6	6.6	2.7	0.8	0.0	L	0.2	18
19	1.3	1.7	2.8	7.2	12	6.6	5.3*	2.8	0.8	0.0		0.2*	19
20	1.4	1.7	2.8	7.2	11	6.8	4.9	3.6	0.6	0.0	O	0.2	20
21	1.5	1.8	3.2	8.0	11	6.9	4.5	4.8	0.4	0.0	W	0.2	21
22	1.5	1.9	11	16	13	6.6	4.5	4.9	0.3	0.0		0.1	22
23	1.6	2.0	10	19	12	6.7	4.6	3.8	0.3	0.0		0.1	23
24	1.7	2.0	8.0	24	12	6.6	4.5	3.3	0.6	0.0		0.1	24
25	1.6	2.0	13	19	11	6.2	4.5	3.0	0.9	0.0		0.2	25
26	1.5	2.0	28	20	11	6.3	4.1	2.8	0.9	0.0		1.2	26
27	1.4	2.3	94	21	11	6.6	3.9	2.6	0.7	0.0		2.4	27
28	1.4	2.6	37	22	11	6.6	3.8	2.3	0.5	0.0		2.1	28
29	1.3	2.8	21 *	16	11	5.8	3.6	2.1	0.4*	0.0		1.5	29
30	1.3	2.6	18	14		5.1	3.5	1.9	0.2	0.0		1.1	30
31	1.5		15	12		5.0		1.8		0.0			31
MEAN	1.2	2.0	10.3	19.8	24.8	7.4	5.8	3.1	1.1	0.0		0.4	MEAN
MAX.	1.7	3.2	94.0	114	174	10.0	10.0	4.9	2.2	0.1		2.4	MAX.
MIN.	0.9	1.6	2.4	7.2	10.0	5.0	3.5	1.8	0.2	0.0		0.0	MIN.
AC. FT.	75	121	631	1220	1428	456	342	192	64			21	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
6.3	288	3.02	02	05	0945	0.0	0.37	07	03	1745	4551

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 56 38	122 20 34	SW 30 13N 4W	9,270	11.93	1-5-1965	SEPT 1955-DATE	SEPT 1955-DATE	1955		0.00	LOCAL

Station located 7.3 miles northwest of Rumsey, 1.4 miles above mouth. Tributary to Cache Creek. Drainage area is 100 square miles.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1972	A81200	CACHE CREEK ABOVE RUMSEY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	153	9.0	19	250	169	371	207	344	316	392	1.6	0.4	1
2	143	7.9*	28	347	157	330	205	311	328	358	1.5	0.5	2
3	121	7.5	33	251	143	379	203	297	355	310	1.4*	0.7	3
4	120	7.9	40	179	218	400	200	324	365	309	1.4	0.7	4
5	117	7.8*	41	135 *	677	340	204	327	376	315	1.2	0.6	5
6	106	7.5	38	112	557	294	240	354	375	367	1.1	0.5	6
7	102	7.5	36	100	405	259	255	375	380	392	1.5	0.6	7
8	99	7.5	34	93	337	232	198	363	414	410	1.3	0.9	8
9	101	7.5	31	86	282	209	185	343	415	424	1.0	1.0	9
10	100	8.1	29 *	80	260	196	196	341	398	427	0.9	1.1	10
11	100	8.8	29	73	232	182	238	337	337	450	0.7	0.8	11
12	91	12	36	68	212	169	325	335	291	446	0.5	0.7	12
13	87	15	54	66	199	156	428	331	301 *	444	0.2	0.8	13
14	84	16	75	66	183	145	305	307	334	442	0.1	0.7	14
15	81	13	56	66	175	137	236	316	381	446	0.1	0.8*	15
16	76	11	46	64	165	128 *	198	321	375	446	0.1	1.1	16
17	69	9.3	42	64	156 *	121	217	344	342	406	0.1	1.1	17
18	54	8.3	35	63	148	115	215	368	333	54	0.1	1.7	18
19	50	8.1	32	64	138	109	264 *	343	328	15	0.5	1.3*	19
20	42	7.7	31	69	132	105	255	330	373	8.8	1.1	1.3	20
21	29	7.9	32	93	132	105	269	319	376	5.6	1.5	1.3	21
22	27	8.0	139	202	138	103	271	271	415	4.4	1.5	1.3	22
23	33	11	363	607	294	126	258	248	436	3.7	1.4	1.3	23
24	32	12	253	495	428	124	238	241	395	3.4	1.3	1.2	24
25	27	11	416	335	420	109	238	276	367	3.0	1.0	1.1	25
26	30	10	307	297	392	106	228	296	358	2.7	0.8	1.9	26
27	29	9.8	606	268	374	102	273	301	374	2.6	0.6	3.5	27
28	38	9.6	330	241	326	126	308	286	375	2.2*	0.6	5.9	28
29	33	12	222 *	197	383	141	343	285	402 *	2.1	0.4	4.4	29
30	26	14	182	180		167	347	304	403	1.9	0.3	2.8	30
31	15		158	171		202		311		1.7	0.3		31
MEAN	71.3	9.8	121	173	270	186	251	317	367	222	0.8	1.4	MEAN
MAX.	153	16.0	606	607	677	400	428	375	436	450	1.6	5.9	MAX.
MIN.	15.0	7.5	19.0	63.0	132	102	185	241	291	1.7	0.1	0.4	MIN.
AC. FT.	4383	581	7484	10675	15535	11480	14969	19535	21854	13676	52	83	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

WATER YEAR SUMMARY

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
165.7	1020	4.90	02	05	1115	0.0	0.15	08	31	2345	120307

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 54 47	122 16 14	SE 2 12N 4W	43,400	19.59	1-24-1970	OCT 59-SEPT 63 JUN 65-DATE	OCT 59-DATE	1959		0.00	LOCAL

Station located 0.4 mile below State Highway 16 bridge, 2.5 miles northwest of Rumsey. Flow regulated by Clear Lake. Drainage area is 955 square miles.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1972	495010	POPE CREEK NEAR POPE VALLEY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.2	0.2	0.6	38	37	61	8.9	5.5	0.9				1
2	0.2	0.2	1.5	33	30	49	8.7	5.4•	1.1		•		2
3	0.1	0.3	1.6•	22	28	51	8.6	5.1	1.0			=	3
4	0.1	0.3	3.3	16	146	45	8.0	4.8	0.8				4
5	0.1	0.2	5.9	14	671	37	10	4.3	0.7				5
6	0.1	0.2	3.9	12	346	32	25	4.6	0.6				6
7	0.1•	0.2	3.4	11 •	169	28	17	4.4	0.5				7
8	0.1	0.3	4.4	10	102	25	12	4.4	0.5				8
9	0.1	0.3	3.0	9.0	74	23	10	4.4	0.6				9
10	0.1	0.3	3.1	8.0•	57	26	9.5	4.3	0.8				10
11	0.1	1.0	5.3	7.5	46	24	16	4.1	0.7	N	N	N	11
12	0.1	1.5	42	7.5	40	21	42	3.7	0.6				12
13	0.1	1.5	22	7.3	35	20	48	3.4	0.5•	O	O	O	13
14	0.1	1.1	11	7.0	31	18	25	3.1	0.4				14
15	0.1	1.1	8.0	7.0	28	16	18	2.8	0.3				15
16	0.1	0.8	7.0	6.8	25	14 •	14	2.8	0.2	F	F	F	16
17	0.1	0.7	5.7	6.8	23 •	13	12	2.8	0.2				17
18	0.1	0.6	4.7	6.7	22	13	10	2.7	0.1	L	L	L	18
19	0.1	0.6	4.2	6.5	20	12	9.8•	2.7	0.1			=	19
20	0.2	0.6	3.7	6.5	19	11	9.3	2.9	0.0	O	O	O	20
21	0.2	0.6	4.0	42	18	11	9.0	3.0	0.0	W	W	W	21
22	0.2	0.6	128	182	33	13	8.9	3.2	0.0				22
23	0.4	0.6	62	213	50	13	8.5	3.0	0.0				23
24	0.3	0.6	98	56	108	12	9.1	2.8	0.0				24
25	0.2	0.6	191	93	117	11	8.8	2.5	0.0				25
26	0.2	0.6	156	68	76	10	8.2	2.4	0.0				26
27	0.2	0.6	498	170	54	10	3.9	2.3	0.0				27
28	0.1	0.8	110 •	96	45	9.7	5.2	1.8	0.0				28
29	0.1	0.9	66	65	114	9.4	5.6	1.6	0.0				29
30	0.1	0.7	50	51		9.0	5.3	1.1	0.0				30
31	0.2		37	43		8.7		0.9					31
MEAN	0.1	0.6	49.8	42.6	88.4	21.2	13.1	3.3	0.4				MEAN
MAX.	0.4	1.5	498	213	671	61.0	48.0	5.5	1.1				MAX.
MIN.	0.1	0.2	0.6	6.5	18.0	8.7	3.9	0.9	0.0				MIN.
AC. FT.	9	37	3063	2621	5086	1301	782	204	21				AC. FT.

E – ESTIMATED
NR – NO RECORD
• – DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
= – E AND •

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
19.6	1050	6.36	12	27	0230	0.0	2.30	06	20	0000	13087

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 37 48	122 19 52	SW 17 9N 4W	18,000 E	19.79	1-31-1963	DEC 1960-DATE	DEC 1960-DATE	1960		0.00	LOCAL

Station located 5.2 miles east of Pope Valley. Tributary to Lake Berryessa. Drainage area is 78.3 square miles.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1972	A09115	PUTAH CREEK, SOUTH FORK, NEAR DAVIS

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1		0.6	8.1	14	23	15							1
2		0.8	9.3	14	20	18							2
3		0.9	11	15	18	27							3
4		0.9	11	14	14	27							4
5		1.0	9.9	15	28	27							5
6		1.2	9.7	15	20	29							6
7		2.0	9.6	15	23	38							7
8		3.4	9.6	16	17	35							8
9		3.7*	11	16	13	30							9
10	N	3.4	11	17	12	27	N	N	N	N	N	N	10
11	O	33	11	17	12	22	O	O	O	O	O	O	11
12		106	11	17	12	20							12
13		27	12	18	12	23							13
14		8.0	11	18	12	21							14
15	R	5.1	11	18	13	20	R	R	R	R	R	R	15
16	E	4.1	10	17	14	19	E	E	E	E	E	E	16
17		4.7	11	19	14	19							17
18	C	5.0	11	19	15	17	C	C	C	C	C	C	18
19		5.4	11	19	13	14							19
20	O	5.2	11	21 *	14	12	O	O	O	O	O	O	20
21	R	5.9	12	19	14	11	R	R	R	R	R	R	21
22		6.2	18	18	15	9.9							22
23	D	8.8	18	18	15	9.4	D	D	D	D	D	D	23
24		7.9	15	18	17	8.8							24
25		7.6	18	19	16	7.3							25
26		7.3	17	20	15	6.1							26
27		7.2	20 *	25	14	5.8							27
28		10	23	22	15	5.4							28
29		9.3	15	19	14	5.1							29
30		8.8	14	19		4.7							30
31			14	20		5.5*							31
MEAN	NR	10.0	12.7	17.8	15.7	17.4	NR	NR	NR	NR	NR	NR	MEAN
MAX.	NR	106	23.0	25.0	28.0	38.0	NR	NR	NR	NR	NR	NR	MAX.
MIN.	NR	0.6	8.1	14.0	12.0	4.7	NR	NR	NR	NR	NR	NR	MIN.
AC. FT.	NR	596	782	1093	900	1069	NR	NR	NR	NR	NR	NR	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
= — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
NR	NR					NR					NR

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 31 02	121 45 21	NE 28 8N 2E	14,700	18.48	1-24-1970	OCT 1957-DATE	OCT 1957-DATE	1957		24.57	USCGS

Station located at low water bridge, 0.8 mile below U. S. Highway 40 bridge, 2.3 miles southwest of Davis. Tributary to Yolo Bypass. Treatment plant at the University of California at Davis discharges into the channel 100 feet upstream from gage. There is little or no flow 1,000 feet upstream from station during periods of heavy upstream diversion. Flows past the station are not computed during these periods.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1972	A02935	YOLO BYPASS NEAR WOODLAND

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	16 *	3.7	7.2 *	142	132	186	1.5	4.6	4.6	2.1	1.2	12	1
2	11	5.6 *	8.4	109	115	178 *	1.5	3.3	3.7	1.5	1.2	7.8	2
3	9.6	4.6	11	120	100	191	1.8	2.5	5.6	1.5	1.5	4.6	3
4	16	4.1	14	144 *	85 *	178	2.7	1.2	14	1.5	1.5	3.3	4
5	18	5.1	18	184	97	169	2.4	1.2	20	2.1	1.2	2.4	5
6	16	5.1	12	138	162	189	2.4	0.9	22 *	1.5	1.2	2.4	6
7	16	4.6	10	85	409	178	1.8 *	0.6	23	1.5	1.2	2.7	7
8	12	4.6	6.6	64	390	130	3.0	0.6	24	1.5	1.2	3.0	8
9	9.6	4.6	6.1	51	272	58	5.6	0.6 *	24	2.7	1.2	2.4	9
10	9.0	4.6	15	46	208	38	9.6	0.8	24	3.7	1.2	3.3	10
11	8.4	4.6	17	44	173	27	7.2	4.6	38	3.3 *	0.9	3.0	11
12	7.8	5.1	19	29	152	44	7.8	5.6	39	3.0	0.3	1.5	12
13	7.2	7.8	19	19	134	116	12	4.1	31	2.7	0.2	3.0	13
14	6.6	9.6	16	12 *	120	136	12	5.1	25	1.5	0.2	12	14
15	6.6	8.4	19	14	109	106	9.0	4.6	12	1.5	0.3	12	15
16	6.6	6.1	15	22	94	77	8.4	2.1	12	1.2	1.2	10	16
17	6.6	5.6	11	35	72	64	7.2	0.3	17	1.2	1.2	9.0	17
18	6.6	6.6	0.6	52	63	46	5.6	2.4	16	1.2	28	7.8	18
19	6.1	5.6	9.6	51	46	46	4.6	4.1	15	0.9	62	7.8	19
20	6.6	5.6	11	52	31	74	5.1	4.6	13	0.6	58	6.6	20
21	6.6	5.6	13	44	23	94	5.1	8.4	7.8	0.6	48	4.6	21
22	5.6	5.6	18	31	15	72	5.1	34	6.6	0.3	36	3.3	22
23	6.1	5.6	21	29	21	29	4.6	56	9.6	0.9	31	2.1	23
24	5.6	5.6	17	29	15	2.7	5.1	34	12	1.2	30	16	24
25	4.6	6.1	19	187	24	1.5	6.6	8.4	12	0.9	31	22	25
26	3.3	5.6	14	284	74	1.5	7.2	9.0	16	0.9	29	16	26
27	5.1	6.1	22	263	158	1.5	7.8	8.4	25	0.9	22	11	27
28	5.6	5.1	169	241	191	1.5	5.1	8.4	22	1.8	19	9.0	28
29	3.0	6.6	335	193	202	1.5	4.6	8.4	6.1	6.6	21	7.8	29
30	1.8	7.2	246	158		1.5	4.6	6.6	2.4	2.5	21	7.2	30
31	3.7		235	142		1.5		6.1		1.2	17 *		31
MEAN	8.2	5.7	43.7	97.2	127	78.7	5.6	7.8	16.7	1.8	15.2	7.2	MEAN
MAX.	18	9.6	335	284	409	191	12	56	39	6.6	62	22	MAX.
MIN.	1.8	3.7	0.6	12	15	1.5	1.5	0.3	2.4	0.3	0.2	1.5	MIN.
AC. FT.	502	339	2,690	5,980	7,310	4,840	331	479	997	10.8	932	428	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
\# — E AND *

WATER YEAR SUMMARY

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
34.3	448	12.39	2	7	1800						24,930

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 40 40	121 38 35	SE 28 10N 3E	272,000	32.00	2-18-1942	MAR 30-OCT 38o"	1940-1941 #	1930	1941	0.73	USED
						JAN 1939-DATE	1941-DATE	1941		0.00	USED
								1941		-3.41	USCGS

Station located just above the Sacramento-Woodland Railroad bridge, 6 miles above the Sacramento Bypass, 7 miles below Fremont Weir, 7 miles east of Woodland. Supplementary water stage recorder, located 7 miles downstream, used for computations during periods of low flow. Stage-discharge relationship at supplementary recorder location at times affected by tidal action. Records furnished by U. S. Geological Survey.

o" - Irrigation season only.
\# - Flood season only.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1972	B07020	SAN JOAQUIN RIVER NEAR VERNALIS

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	1,580 *	1,610 *	1,860	3,600	2,860	1,400	1,230	880	596 *	532	548	532	1
2	1,640	1,450	1,840	3,370	2,950	1,460	1,370	780	556	472	520	536	2
3	1,790	1,430	1,860 *	3,260	3,300	1,500	1,290	780	516	492	452	548	3
4	1,930	1,470	1,880	3,170	3,380	1,460	1,130	748	568	456	431	584	4
5	1,920	1,490	1,880	3,370	3,340	1,310	1,080	698	636	484 *	452	680	5
6	2,020	1,500	1,890	3,390	3,330	1,240 *	1,240	716	620	496	512	703	6
7	2,010	1,440	1,890	3,420 *	3,230	1,260	1,290	815	572	484	580	658	7
8	2,080	1,440	1,880	3,480	3,190 *	1,250	1,250	845 *	572	473	556	690	8
9	2,210	1,470	1,900	3,470	3,390	1,260	1,210	865	588	448	528	850	9
10	2,440	1,510	1,910	3,370	3,530	1,410	1,280 *	870	644	488	470 *	1,170	10
11	2,540	1,550	2,050	3,320	3,640	1,630	1,100	860	667	484	459	1,460	11
12	2,510	1,570	2,130	3,460	3,650	1,600	1,110	850	752	476	488	1,540 *	12
13	2,580	1,580	2,150	3,410	3,220	1,520	1,170	785	694	484	508	1,650	13
14	2,420	1,560	2,140	3,340	2,790	1,420	1,070	716	632	470	536	1,800	14
15	2,620	1,550	2,160	3,000	2,660	1,370	1,100	658	588	428	560	1,820	15
16	2,960	1,550	2,330	2,870	2,770	1,350	1,130	644	560	410	540	1,880	16
17	3,590	1,550	2,440	2,810	2,750	1,380	1,110	694	556	480	580	1,980	17
18	3,610	1,550	2,470	2,800	2,690	1,370	1,040	748	588	456	572	2,120	18
19	3,500	1,540	2,480	2,830	2,620	1,370	1,000	708	568	434	588	2,170	19
20	2,700	1,660	2,470	2,920	2,480	1,390	860	672	576	403	632	2,180	20
21	2,140	1,890	2,370	2,920	2,200	1,390	766	716	572	424	654	2,170	21
22	1,940	1,980	2,200	2,900	1,960	1,440	739	805	548	459	584	2,230	22
23	1,690	2,050	2,150	2,860	1,880	1,560	809	830	516	528	548	2,240	23
24	1,930	1,910	2,190	2,820	1,910	1,490	865	757	500	564	504	2,260	24
25	2,070	1,820	2,540	2,810	1,980	1,470	815	716	576	556	524	2,190	25
26	2,010	1,830	3,150	2,840	1,920	1,390	805	680	632	532	540	2,050	26
27	1,970	1,860	3,400	2,860	1,840	1,280	830	676	592	466	588	2,060	27
28	1,960	1,860	3,430	2,870	1,530	1,160	845	654	568	459	628	2,150	28
29	1,930	1,860	3,720	3,020	1,350	1,170	785	628	548	516	624	2,070	29
30	1,860	1,860	3,860	3,110		1,240	785	662	508	504	596	1,930	30
31	1,680		3,730	2,950		1,230		620		560	532		31
MEAN	2,253	1,646	2,398	3,117	2,701	1,380	1,037	744	587	481	543	1,563	MEAN
MAX.	3,610	2,050	3,860	3,600	3,650	1,630	1,370	880	752	564	654	2,260	MAX.
MIN.	1,580	1,430	1,840	2,800	1,350	1,160	739	620	500	403	431	532	MIN.
AC. FT.	138,500	97,970	147,500	191,600	155,400	84,830	61,710	45,770	34,930	29,590	33,390	93,030	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
\# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
1,535											1,114,000

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
37 40 34	121 15 55	NW 13 3S 6E	79,000	32.81	12-9-1950	JUL 22-DEC 23 ö	JUL 22-DEC 23 ö	1931	1959	5.06	USCGS
						JAN 24-FEB 25	JAN 24-FEB 25	1959		0.00	USCGS
						JUN 25-OCT 28 ö	JUN 25-OCT 28 ö	1959		3.3	USED
						MAY 29-DATE	MAY 29-DATE				

Station located 30 feet above the Durham Ferry Highway bridge, 3 miles below the Stanislaus River, 3.4 miles northeast of Vernalis. Maximum discharge listed at site then in use and present datum. Records furnished by U. S. Geological Survey. Drainage area is 13,540 square miles.

ö - Irrigation season only.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1972	B02920	DUCK CREEK DIVERSION NEAR FARMINGTON

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1			0.0		0.0								1
2			0.0		0.0								2
3			0.0		0.0								3
4			0.0		0.0								4
5			0.0		46								5
6			0.0		1.2								6
7			0.0		0.0								7
8			0.0		0.0								8
9			0.0		0.0								9
10	N	N	0.0	N	0.0	N	N	N	N	N	N	N	10
11	O	O	0.0	O	0.0	O	O	O	O	O	O	O	11
12			0.0		0.0								12
13			0.0		0.0								13
14			0.0		0.0								14
15	F	F	0.0	F	0.0	F	F	F	F	F	F	F	15
16	L	L	0.0	L	0.0	L	L	L	L	L	L	L	16
17			0.0		0.0								17
18	O	O	0.0	O	0.0	O	O	O	O	O	O	O	18
19			0.0		0.0								19
20	W	W	0.0	W	0.0	W	W	W	W	W	W	W	20
21			0.0		0.0								21
22			0.0		0.0								22
23			0.0		0.0								23
24			0.0		0.0								24
25			103		0.0								25
26			0.0		0.0								26
27			96		0.0								27
28			8.2		0.0								28
29			0.0		0.0								29
30			0.0										30
31			0.0										31
MEAN			6.7		1.6								MEAN
MAX.			103		46								MAX.
MIN.			0.0		0.0								MIN.
AC. FT.			411		94								AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
0.7	360		12	25	71						505

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
37 56 18	120 59 21	NE 16 1N 9E	3,690	7.65	4-2-1958	SEPT 1951-DATE	SEPT 1951-DATE	1951		105.0	USCGS

Station located 1.0 mile northeast of Farmington. Flows are diversions from Duck Creek to Littlejohn Creek. Records furnished by U. S. Corps of Engineers. Drainage area is 28 square miles.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1972	802870	LITTLEJOHN CREEK AT FARMINGTON

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	8.0	2.6	2.8	98	17	5.4	6.2	4.6	6.0	4.0 E	4.0 E	4.0 E	1
2	7.4	2.4	3.0 E	72	16	5.4	7.2	4.4	6.4	4.0 E	4.0 E	4.0 E	2
3	6.8	2.4	3.0 E	56	14	7.0	7.8	3.5	5.8	4.0 E	4.0 E	4.0 E	3
4	6.6	2.1	3.0 E	45	13	7.2	8.9	4.8	4.6	4.0 E	4.0 E	4.0 E	4
5	6.2	2.3	3.0 E	37	32	6.8	9.5	5.8	5.0	4.0 E	4.0 E	4.0 E	5
6	5.2	2.8	3.0 E	30	352	6.0	9.2	5.0	5.6	4.0 E	4.0 E	4.0 E	6
7	7.0	2.8	3.0 E	26	357	4.4	8.3	4.6	5.2	4.0 E	4.0 E	4.0 E	7
8	7.2	2.9	3.0 E	22	332	3.4	8.3	3.4	5.2	4.0 E	4.0 E	4.0 E	8
9	6.8	3.2	3.0 E	19	219	4.0	8.0	3.7	5.2	4.0 E	4.0 E	4.0 E	9
10	6.6	3.5	3.0 E	18	102	5.0	9.5	6.0	5.0	4.0 E	4.0 E	4.0 E	10
11	6.0	3.8	3.0 E	18	74	5.4	9.8	6.6	4.2	4.0 E	4.0 E	4.0 E	11
12	6.8	3.8	3.0 E	16	56	5.2	9.5	5.6	5.0	4.0 E	4.0 E	4.0 E	12
13	7.0	3.9	3.0 E	15	43	5.0	10	4.0	5.2	4.0 E	4.0 E	4.0 E	13
14	6.4	4.6	3.0 E	13	35	4.2	11	4.0	3.9	4.0 E	4.0 E	4.0 E	14
15	4.6	4.2	3.0 E	12	30	3.8	10	4.6	3.6	4.0 E	4.0 E	4.0 E	15
16	5.2	3.5	3.0 E	10	25	3.8	8.9	4.8	4.0	4.0 E	4.0 E	4.0 E	16
17	4.4	3.3	3.0 E	9.2	21	4.2	7.0	5.4	3.0	4.0 E	4.0 E	4.0 E	17
18	3.7	2.7	3.0 E	8.6	18	3.6	5.0	6.0	3.1	4.0 E	4.0 E	4.0 E	18
19	3.5	2.6	3.0 E	7.8	17	2.7	5.6	4.6	4.0 E	4.0 E	4.0 E	4.0 E	19
20	3.8	2.3	3.0 E	7.0	16	2.6	5.2	4.0	4.0 E	4.0 E	4.0 E	4.0 E	20
21	4.6	2.0	3.0 E	5.8	16	2.4	6.0	5.0	4.0 E	4.0 E	4.0 E	4.0 E	21
22	5.2	1.3	3.0 E	5.0	14	5.0	6.8	3.9	4.0 E	4.0 E	4.0 E	4.0 E	22
23	4.6	0.6	3.0 E	4.4	13	4.8	6.0	3.7	4.0 E	4.0 E	4.0 E	4.0 E	23
24	3.9	0.0	3.0 E	3.9	12	4.2	5.2	5.4	4.0 E	4.0 E	4.0 E	4.0 E	24
25	3.5	1.7	380	3.6	11	4.6	4.6	4.2	4.0 E	4.0 E	4.0 E	4.0 E	25
26	3.3	2.8	470	3.4	9.2	4.4	4.8	4.6	4.0 E	4.0 E	4.0 E	4.0 E	26
27	3.0	2.6	515	3.4	7.6	4.6	4.4	6.0	4.0 E	4.0 E	4.0 E	4.0 E	27
28	2.9	2.7	680	3.2	6.8	5.6	5.8	6.2	4.0 E	4.0 E	4.0 E	4.0 E	28
29	2.8	2.3	850	3.9	6.2	6.0	5.6	6.0	4.0 E	4.0 E	4.0 E	4.0 E	29
30	2.8	2.6	380	13		6.4	3.5	8.0	4.0 E	4.0 E	4.0 E	4.0 E	30
31	2.8		151	15		6.0		7.0		4.0 E	4.0 E		31
MEAN	5.1	2.7	113 E	19.5	65	4.8	7.2	5.0	4.5 E	4.0 E	4.0 E	4.0 E	MEAN
MAX.	8.0	4.6	850	98	357	7.2	11	8.0	6.4	4.0 E	4.0 E	4.0 E	MAX.
MIN.	2.8	0.0	2.8	3.2	6.2	2.4	4.4	3.5	3.0	4.0 E	4.0 E	4.0 E	MIN.
AC. FT.	314	159	6,940 E	1,200	3,740	296	432	308	266 E	246 E	246 E	238 E	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
\# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
19.9	880		12	29	71						14,390

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
37 55 38.	121 00 08	NE 20 1N 9E	3,590	15.40	4-3-1958	JUNE 1952-DATE	JUNE 1952-DATE	1952		89.97	USCGS

Station located 340 feet below Farmington-Escalon Highway bridge. Flows entering Littlejohn Creek via Duck Creek Diversion are included. Flow regulated by Farmington Reservoir. Records furnished by U. S. Corps of Engineers.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1972	B02805	FRENCH CAMP SLOUGH NEAR FRENCH CAMP

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	135	8.3	3.3	129	19	9.7	65	27	23	8.0	8.5	38	1
2	134	9.2	4.0	87	21	21	68	34	43	0.0	14	NR	2
3	118	11	5.5	66	21	25	52	22	50	5.8	13	NR	3
4	122	10	6.8	53	18	23	58	52	54	22	40	NR	4
5	121	9.6	5.7	43	20	40	76	60	39	12	54	NR	5
6	110	11	5.5	37	295	35	125	91	28	8.3	45	NR	6
7	105	12	4.6	31	454	32	113	88	29	23	31	NR	7
8	114	10	3.9	27	426	37	91	75	36	13	21	NR	8
9	84	11	3.8	24	357	46	79	73	38	12	26	NR	9
10	78	12	3.3	22	142 *	44	94	88	26	33	38	NR	10
11	84	10	2.4	21	88	40	80 *	73	29	37	19	NR	11
12	98	11	2.4	21	62	50	89	46	35 *	31 *	15	NR	12
13	77	9.8	4.2	20	49	59	78	19	15	39	28	NR	13
14	86	9.4	4.5	17	39	49	81	20	26	24	28	NR	14
15	110	8.5	5.0	16	33 *	56 *	67	13	42	33	45	NR	15
16	95	7.7	3.7 *	14	28	68	33	21	31	41	45	NR	16
17	86	5.8 *	4.0	17	25	78	35	34	14	39	42	NR	17
18	35	4.8	5.7	21	22	75	25	22	13	35	39	NR	18
19	23 *	3.6	4.2	22	20	47	9.6	27	20	16	55	NR	19
20	19	2.7	2.8	17	19	52	15	30	18	10	63	NR	20
21	18	1.7	2.7	13 *	18	55	9.1	36	4.2	19	58	128	21
22	16	0.9	4.5	11	17	70	28	43	15	27	51	138	22
23	15	0.3	37	8.7	15	77	32	51	30	35	61	145	23
24	18	2.6	23	7.5	15	75	41	41	41	35	56	142	24
25	12	2.4	202	6.8	15	68	31	14	31	21	80	136	25
26	9.4	0.9	705	5.6	12	93	40	7.8	26	31	68	136	26
27	9.7	0.7	552	6.2	10	85	39	10	30	20	72	137	27
28	9.1	0.8	823	6.1	9.2	76	29	30	14	13	58	149	28
29	10	2.1	960	4.8	7.8	69	37	30	6.3	19	59	140	29
30	13	2.7	620	4.4		61	30	29	17	27	38	135	30
31	12		218	14		70		26		19	21		31
MEAN	63.7	6.4	136	25.6	78.5	54.4	55	39.8	27.5	22.8	41.7	NR	MEAN
MAX.	135	12	960	129	454	93	125	91	54	41	80	NR	MAX.
MIN.	9.1	0.3	2.4	4.4	7.8	9.7	9.1	7.8	4.2	0.0	8.5	NR	MIN.
AC. FT.	3,918	382	8,395	1,573	4,516	3,344	3,272	2,445	1,633	1,404	2,562	NR	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
NR	1,060	7.56	12	28	2330	NR					NR

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
37 52 52	121 14 53	NE 6 1S 7E	3,390	6.31	12-9-1950	JAN 50-MAY 50 OCT 50-DATE	JAN 50-MAY 50 OCT 50-DATE	1950 1955	1955	0.00 4.00	LOCAL LOCAL

Station located at Airport Way bridge, 1.5 miles east of French Camp. During periods when backwater from a temporary diversion dam affects the stage-discharge relationship, a supplementary water stage recorder, located 0.5 mile downstream on the bypass, is used for computations. Tributary to San Joaquin River. Maximum discharge listed at site and datum then in use.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1972	B02835	DUCK CREEK NEAR STOCKTON

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1		NR	0.0	4.8	0.0	0.0 *	0.4	3.9	12	11	14	18	1
2		NR	0.0	3.0	0.0	0.0	0.7	1.6	17	10	13	13	2
3		NR	0.1	2.0	0.0	0.0	0.3	5.4	17	10	11	14	3
4		NR	0.1	1.3	0.0	0.1	1.0	4.4	15	7.7	13	13	4
5		NR	0.0	0.9	0.3	0.8	1.2	7.0	15	11	14	12	5
6		NR	0.0	0.7	80	0.6	1.7	5.9	15	8.2	11	10	6
7		NR	0.0	0.5	31	0.4	1.7	3.5	12	10	8.1	10	7
8		NR	0.0	0.4	15	0.7	1.0	4.2	14	11	8.0	13	8
9		NR	0.0	0.2	9.4 *	1.0	1.9	4.0	11	8.6	8.9	13	9
10	N	NR	0.0	0.1	6.3	3.2	1.8	2.6	9.2	5.6	11	12	10
11	O	NR	0.0	0.1	3.3	1.8	2.5	4.2	7.4	7.3	10	10	11
12		NR	0.2	0.5	1.4	4.0	2.4	8.7	9.0 *	5.3 *	14	8.0	12
13		NR	0.1	0.2	0.7	3.2	1.7	8.8	11	7.8	15	8.7	13
14		NR	0.0	0.1	0.2	3.3	2.0	9.5	11	7.0	14	13	14
15	R	NR	0.0 *	0.0	0.1	3.2	3.3	8.8	9.7	5.5	12	11	15
16	E	NR	0.0	0.0	0.1 *	2.0 *	2.3	8.0	11	7.9	14	15	16
17		NR	0.0	0.0	0.0	2.7	0.8	10	11	5.7	14	16	17
18	C	NR	0.0	0.0	0.0	5.8	1.8	13	10	5.4	15	20	18
19		NR	0.0	0.0	0.0	6.3	2.3	13	5.1	6.0	11	17	19
20	O	NR	0.0	0.0	0.0	3.3	1.8	13	3.4	8.3	9.9	16	20
21	R	NR	0.0	0.0	0.0	1.9	1.3	14	5.2	11	8.1	13	21
22		NR	0.3	0.0	0.0	3.8	0.8	12	7.7	9.8	8.0	9.8	22
23	D	0.1 *	0.1	0.0	0.0	4.1	0.9	12	8.1	9.7	11	9.0	23
24		0.1	0.2	0.0	0.0	3.8	1.5	9.6	8.6	9.8	15	9.0	24
25		0.0	38	0.0	0.0	3.7	1.9	9.8	14	11	18	8.7	25
26		0.1	106	0.0	0.0	3.1	1.4	11	14	8.1	16	9.0	26
27		0.0	28	0.2	0.0	1.6	2.3	11	10	9.7	16	8.8	27
28		0.1	195	0.1	0.0	2.7	2.3	9.8	11	10	15	5.6	28
29		0.1	40	0.0	0.0	3.4	1.9	12	13	9.5	17	3.3	29
30		0.0	14	0.0		0.5	2.9	10	14	7.6	16	2.8	30
31			10	0.0		0.6		12		6.1	17		31
MEAN	NR	NR	13.9	0.5	5.1	2.3	1.7	8.5	11	8.4	12.8	11.4	MEAN
MAX.	NR	NR	195	4.8	80	6.3	3.3	14	17	11	18	20	MAX.
MIN.	NR	NR	0.0	0.0	0.0	0.0	0.3	1.6	3.4	5.3	8.0	2.8	MIN.
AC. FT.	NR	NR	857	30	293	142	99	521	657	519	789	678	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
\# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
NR	324	4.84	12	28	0215	0.0					NR

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
37 55 30	121 15 02	NE 35 1N 7E	400	5.75	12-24-1955	JAN 50-APR 50	JAN 50-APR 50	1950	1953	0.00	LOCAL
						OCT 50-APR 51	OCT 50-APR 51	1953	1957	0.00	LOCAL
						OCT 51-OCT 70	OCT 51-OCT 70	1957	1965	0.00	LOCAL
						OCT 71-DATE	OCT 71-DATE	1965		0.00	LOCAL

Station located 35 feet below B Street Bridge, immediately south of Stockton. Prior to November 10, 1965, station located at Laurel Avenue, 0.2 mile upstream from present location. Tributary to San Joaquin River via French Camp Slough. During high flow, water from Duck Creek enters Mormon Slough approximately 2 miles east of the head of Stockton Diverting Canal. Discharge listed does not include this overflow. Flow regulated by gravity culverts which divert to Littlejohn Creek. Maximum discharge listed at site and datum then in use.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1972	B02520	CALAVERAS RIVER NEAR STOCKTON

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	23		0.0*	0.0	2.7	0.0	23	6.6	1.0	21	23	30	1
2	15		0.0	0.0	2.5	0.0	44	2.3	0.8	13	18	19	2
3	6.8	*	0.0	0.0	2.4	0.0	20	8.1	0.8	18	12	20	3
4	1.6		0.0	0.0	2.5	0.0	3.2	8.6	16	21	9.1	21	4
5	1.2		0.0	0.0	3.0	0.0	27	8.0	9.2	16	2.2	17	5
6	1.0		0.0	0.0	5.8	6.4	26	6.3	2.9	4.4	10	2.5	6
7	0.8		0.0	0.0	6.2	7.3	21	10	1.2	6.5	14	1.0	7
8	0.7		0.0	0.0	4.6	5.5	17	5.1	13	20	5.7	0.6	8
9	0.4		0.0	1.0	3.8	0.8	10	2.5	28	21	5.3	0.4	9
10	0.3		0.0	1.8	3.1*	0.7	5.1	14	34	9.2	1.3	8.0	10
11	0.2	N	0.0	8.5	2.7	5.8	16	10	11	15	4.0	15	11
12	0.5		0.0	10	2.4	8.7	33	4.1	1.7*	13 *	26	20	12
13	0.0	O	0.0	8.8	2.2	8.1	31	1.6	10	18	33	17	13
14	0.0		0.0	9.7	2.1	6.1	8.4	11	1.1	13	36	14	14
15	0.0		0.0*	10	1.9	6.4	12	13	20	21	25	14	15
16	0.0	F *	0.0	7.3	1.8	5.2*	6.1	12	28	23	16	5.1	16
17	0.0		0.0	6.8	1.8	0.2	4.4	8.7	26	11	24	4.3	17
18	0.0*	L	0.0	3.5	1.7	0.0	15	14	23	17	12	3.7	18
19	0.0		0.0	2.5	1.5	3.9	8.6	11	20	16	11	3.7	19
20	0.0	O	0.0	2.0	1.3	9.3	5.3	12	22	15	21	2.5	20
21	0.0	W	0.0	1.8*	1.2	5.4	2.3	19	13	20	7.5	4.0	21
22	0.0		0.0	1.6	1.2	0.6	9.5	11	4.0	9.2	21	11	22
23	0.0		0.0	1.7	1.0	7.2	8.6	2.1	18	8.3	18	7.7	23
24	0.0		0.0	1.6	1.0	2.3	6.2	2.7	14	8.4	16	8.4	24
25	0.0		0.0	1.9	1.0	13	7.9	9.0	21	15	22	6.8	25
26	0.0		37	1.9	0.8	9.6	2.2	9.3	19	4.3	11	7.9	26
27	0.0		8.6	2.4	0.3	1.4	10	9.1	12	12	16	8.9	27
28	0.0		16	2.3	0.1	0.2	20	14	3.9	11	11	3.7	28
29	0.0		6.3*	3.4	0.0	4.1	15	11	0.8	9.4	4.4	1.6	29
30	0.0		1.9	3.1		1.4	19	2.9	21	13	15	9.9	30
31	0.0		0.3	2.9		14		1.3		19	21		31
MEAN	1.7		2.3	3.1	2.2	4.3	14.6	8.4	13.2	14.2	15.2	9.6	MEAN
MAX.	23.0		37.0	10.0	6.2	14.0	44.0	19.0	34.0	23.0	36.0	30.0	MAX.
MIN.	0.0		0.0	0.0	0.0	0.0	2.2	1.3	0.8	4.3	1.3	0.4	MIN.
AC. FT.	102		139	191	124	265	866	516	786	876	935	573	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
= — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
7.4	72	4.47	12	26	0330	0.0	3.08	10	12	1730	5375

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 01 14	121 13 45	SE 17 2N 7E	760 E	12.61	1-6-1965	DEC 1948-DATE	DEC 1948-DATE	1948	1949	0.00	LOCAL
								1949	1950	0.00	LOCAL
								1950	1952	0.00	LOCAL
								1952	1955	2.00	LOCAL
								1955	1959	0.00	LOCAL
								1959	1965	0.00	LOCAL
								1965		0.00	LOCAL

Station located below Solari Road bridge, 5 miles northeast of Stockton. Prior to October 28, 1965, station located 0.5 mile above U. S. Highway 99 bridge, 1.5 miles downstream from present location. Flows are regulated by diversion dam at Bellota operated by Stockton East San Joaquin Water Conservation District. Maximum discharge listed at site and datum then in use.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1972	B02560	MORMON SLOUGH AT BELLOTA

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	NR		0.0	36	23	0.0							1
2	NR	*	0.0 *	23	19	0.0							2
3	NR		0.0	18	20	0.0							3
4	NR		0.0	9.6	16	0.0							4
5	NR		0.0	2.3	121	0.0							5
6	NR		0.0	0.0	368	0.0							6
7	NR		0.0	2.0	154	0.0							7
8	NR		0.0	44	88	0.0							8
9	NR		0.0	66	65	2.4							9
10	NR	N	0.0	66	53 *	31	N	N	N	N	N	N	10
11	NR	O	0.0	114	44	42	O	O	O	O	O	O	11
12	NR		0.0	136	36	44							12
13	NR		0.0	135	31	44							13
14	NR		0.0	275	28	44							14
15	NR	F	0.0 *	67	26	44	R	R	R	R	R	R	15
16	NR	L	0.0	39	22 *	44 *	E	E	E	E	E	E	16
17	NR	*	0.0	33	16	44							17
18	0.0 *	O	0.0	24	14	NR	C	C	C	C	C	C	18
19	0.0		0.0	11	12	NR							19
20	0.0	W	0.0	9.5	12	NR	O	O	O	O	O	O	20
21	0.0		0.0	6.4 *	12	NR	R	R	R	R	R	R	21
22	0.0		0.0	5.3	12	NR							22
23	0.0		0.0	7.3	14	NR	D	D	D	D	D	D	23
24	0.0		0.0	7.6	14	NR							24
25	0.0		954	7.6	11	NR							25
26	0.0		288	7.6	3.4	NR							26
27	0.0		357	9.8	1.2	NR							27
28	0.0		507	109	0.1	NR							28
29	0.0		135 *	65	0.0	NR							29
30	0.0		75	41		NR							30
31	0.0		53	27		NR							31
MEAN	NR		76.4	45.3	42.6	NR	NR	NR	NR	NR	NR	NR	MEAN
MAX.	NR		954	275	368	NR	NR	NR	NR	NR	NR	NR	MAX.
MIN.	NR		0.0	0.0	0.0	NR	NR	NR	NR	NR	NR	NR	MIN.
AC. FT.	NR		4,699	2,785	2,451	NR	NR	NR	NR	NR	NR	NR	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
\# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
NR	2,030	7.87	12	25	1515	0.0					NR

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 03 10	121 00 37	SW 5 2N 9E				DEC 1948-DATE	DEC 1948-DATE	1948	1952	0.00	LOCAL
								1952		0.00	LOCAL

Station located 0.2 mile above Farmington-Bellota Highway bridge, 0.2 mile east of Bellota. Flow regulated by Hogan Reservoir. During irrigation season, flow is reregulated by boards placed across diversion dam immediately downstream which control diversion of water between the Calaveras River and Mormon Slough. This is flow from Calaveras River which is returned to the river via Stockton Diverting Canal. Flows are computed for the period when boards are not placed across the diversion dam.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1972	A025A0	STOCKTON DIVERTING CANAL AT STOCKTON

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	58		0.0*	14	14	0.0	4.7	0.0				0.0	1
2	14		0.0	5.7	9.0	0.0*	49	0.0				0.0	2
3	5.2	*	0.0	2.2	5.5	0.0	53	0.0				0.0	3
4	1.4		0.0	0.5	4.7	0.0	3.4	0.0				11	4
5	5.9		0.0	0.0	7.4	0.0	0.0	0.1				42	5
6	24		0.0	0.0	433	0.0	0.0	3.7				13	6
7	24		0.0	0.0	241	0.0	0.1	0.6				5.6	7
8	8.5		0.0	0.0	119	0.0	0.0	3.3				0.0	8
9	0.2		0.0	48	58 *	0.0	0.0	1.0				0.0	9
10	0.0		0.0	68	30	0.0	0.0	0.0	N	N	N	0.0	10
11	0.0	N	0.0	93 *	17	0.0	0.0	0.0	O	O	O	3.9	11
12	0.0		0.0	142	11	8.2	0.0	6.1				3.2	12
13	0.0	O	0.0	145	9.4	20	0.0	2.1				0.0	13
14	0.0		0.0	245	10	50	0.0	0.0				3.2	14
15	0.0		0.0*	124	9.8	43	0.0	0.0	R	R	R	0.9	15
16	0.0	F *	0.0	35	9.1*	12	0.0	0.0	E	E	E	0.3	16
17	0.0		0.0	31	8.8	7.3	0.0	0.0				12	17
18	0.0*	L	0.0	35	8.2	8.5	0.0	0.0	C	C	C	14	18
19	0.0		0.0	16	7.9	3.0	0.0	0.0				0.0	19
20	0.0	O	0.0	13	7.9	0.6	0.0	0.0	O	O	O	0.0	20
21	0.0	W	0.0	11 *	7.9	0.0	0.0	9.4	R	R	R	0.0	21
22	0.0		0.0	0.0	7.9	0.0	0.0	5.3				10	22
23	0.0		0.0	0.0	8.5	0.0	0.0	0.0	D	D	D	1.8	23
24	0.0		0.0	0.1	9.1	0.0	0.0	0.0				0.0	24
25	0.0		582	0.4	8.8	0.0	0.0	0.0				0.0	25
26	0.0		443	1.0	3.7	0.0	0.0	0.0				0.0	26
27	0.0		209	4.5	0.4	0.0	0.0	0.0				3.8	27
28	0.0		689	74 *	0.0	0.0	0.0	0.0				20	28
29	0.0		212 *	112	0.0	0.0	0.0	1.8				2.5	29
30	0.0		95	42		0.0	0.0	1.6				0.0	30
31	0.0		37	23		0.0		0.0					31
MEAN	4.6		73.1	41.5	36.8	4.9	3.7	1.1	NR	NR	NR	4.9	MEAN
MAX.	58.0		689	245	433	50.0	53.0	9.4	NR	NR	NR	42.0	MAX.
MIN.	0.0		0.0	0.0	0.0	0.0	0.0	0.0	NR	NR	NR	0.0	MIN.
AC. FT.	280		4497	2550	2116	303	219	69	NR	NR	NR	292	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
= — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
NR	NR					NR					NR

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
37 59 12	121 15 30	SE 42 2N 6E	11,400 E	17.10 E	4-4-1958 E	JAN 1944-DATE	JAN 1944-DATE	1954		0.00	LOCAL

Station located 60 feet below Cherokee Lane Bridge crossing over Stockton Diverting Canal. Prior to June 12, 1969, station located 200 feet upstream from U. S. Highway 99E. This water diverted from the Calaveras River by Mormon Slough and returned to the river by Stockton Diverting Canal.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1972	B02010	BEAR CREEK NEAR LODI

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	NR	3.8	0.2	15	3.1	1.0	0.0					NR	1
2	NR	11	0.2	12	2.0	1.2	0.0					NR	2
3	NR	3.7	2.1	11	1.7	1.1	0.0					NR	3
4	NR	0.6	2.3	8.7	1.3	0.3	4.9					NR	4
5	NR	7.7	1.9	8.6	6.5	0.3	NR					NR	5
6	NR	2.5	0.8	8.9	131	0.4	NR					NR	6
7	NR	14	0.4	6.3 *	49	0.3	NR					NR	7
8	NR	11	0.1	1.3	25 *	0.2	NR					NR	8
9	NR	6.4	0.3	1.0	16	0.5	NR					NR	9
10	NR	5.6	0.5	1.0 *	12	1.8	NR	N	N	N	N	NR	10
11	NR	2.8	0.9	1.0 *	9.2	7.1	NR	O	O	O	O	NR	11
12	NR	9.0	1.4	1.1	7.3	3.4	NR					NR	12
13	NR	16	2.4	1.5	5.7	2.6	NR					NR	13
14	NR	15	3.9	1.8	3.5	4.0	NR					NR	14
15	NR	9.1	1.2 *	0.8	4.3	8.8	NR	R	R	R	R	NR	15
16	NR	2.3 *	0.8	0.6	3.3 *	6.2 *	NR	E	E	E	E	NR	16
17	NR	0.3	0.4	0.7	1.9	7.2	NR					7.0	17
18	NR	0.1	0.7	0.7	1.4	0.8	NR	C	C	C	C	4.4	18
19	NR	0.1	0.9	0.5	1.2	3.3	NR					3.8	19
20	NR	0.0	0.6	0.5	1.1	4.1	NR	O	O	O	O	1.4	20
21	NR	0.0	1.3	2.5	1.0	5.1	NR	R	R	R	R	8.0	21
22	NR	0.0	8.3	1.3	0.9	8.0	NR					7.1	22
23	34	0.1	18	0.9	1.1	7.8	NR	D	D	D	D	9.6	23
24	29	0.1	22	1.6	0.8	0.2	NR					10	24
25	21	0.0	300	1.1	1.2	0.1	NR					9.4	25
26	8.6	0.0	145	1.3	2.2	0.0	NR					13	26
27	2.0	0.0	66	3.0	1.7	0.0	NR					11	27
28	9.2	0.0	238	8.1	1.5	0.0	NR					8.2	28
29	13	0.1	51 *	12	1.4	0.0	NR					7.3	29
30	8.0	0.3	28	8.1		0.0	NR					7.4	30
31	5.6		20	5.4		0.1							31
MEAN	NR	4.1	29.7	4.1	10.3	2.4	NR	NR	NR	NR	NR	NR	MEAN
MAX.	NR	16	300	15	131	8.8	NR	NR	NR	NR	NR	NR	MAX.
MIN.	NR	0.0	0.1	0.5	0.8	0.0	NR	NR	NR	NR	NR	NR	MIN.
AC. FT.	NR	241	1,824	254	592	151	NR	NR	NR	NR	NR	NR	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
\# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
NR	683	3.99	12	25	1630	0.0					NR

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 03 37	121 12 28	SE 28 3N 7E	4,550	8.33	1-22-1967	DEC 1965-DATE	FEB 1965-DATE	1965		44.45	USCGS

Station located 50 feet above Alpine Road bridge, 5.0 miles southeast of Lodi. Tributary to San Joaquin River via Disappointment Slough. Drainage area is 36.7 square miles. A removable board dam, 1/2 mile below gaging station, impounds flows during the irrigation season. Discharges are not computed for the period the dam is in operation.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1972	B02105	MOKELUMNE RIVER AT WOODBRIDGE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	750	1,110	201 *	226	65	66	40	40	42	46	37 *	39 *	1
2	760	830 *	145	226	64	54	36	41	42	45	36	41	2
3	790	531	100	225	63 *	54	37	39	43	47	38	43	3
4	815 *	330	90	224	64	61	37 *	39	45	50	40	49	4
5	820	265	85	224	75	63	53	39	49 *	55 *	39	66	5
6	827	246	83	223	74	58 *	84	40	44	54	40	68	6
7	807	237	81	245	74	55	55	43	40	67	40	62	7
8	804	221	80	330	67	51	37	46	40	60	42	65	8
9	809	216	79	447	65	50	34	47 *	42	48	42	65	9
10	808	219	79	447	64	50	36	47	42	57	42	59	10
11	811	219	79	448	63	34	42	46	43	52	42	62	11
12	793	221	81	451	62	42	101	45	46	45	44	58	12
13	792	226	91	458	61	31	86	48	43 *	43	62	62	13
14	801	220	81	456	61	11	40	51	42	42	60	62	14
15	835	215	78	456	59	18	58	52	41	42	58	60	15
16	933	214	81	456	59	25	69	53	41	43	55	54	16
17	953	213	80	455	56	29	59	52	42	44	52	62	17
18	979	211	79	294	56	35	45	50	42	45	50	62	18
19	966	209	79	211	61	38	33	46	44	45	50	53	19
20	962	208	78	199	61	44	29	44	44	44	49	44	20
21	962 *	207	78	196	52	50	31	44	45	42	57	42	21
22	982	205	98	195	52	57	36	45	45	55	50	40	22
23	964	204	88	193	51	60	40	47	46	57	41	38	23
24	965	204	88	191	53	58	41	48	46	58	39	38	24
25	967	203	124	189	64	53	41	48	47	56	38	38	25
26	957	202	117	142	127	50	40	50	49	54	38	49	26
27	957	201	93	92	75	49	38 *	48	49	50	39	73	27
28	985	202	96	74	69	50	38	47	48	43	54	69	28
29	1,190	202	90	69	68	51	38	45	47	39	52	62	29
30	1,340	202	95	66		53	38	42	46	38	45	59	30
31	1,140		140	65		52 *		41		37	38		31
MEAN	910	280	94.7	264	65	46.8	46.4	45.6	44.2	48.5	45.5	54.8	MEAN
MAX.	1,340	1,110	201	458	127	66	101	53	49	67	62	73	MAX.
MIN.	750	201	78	65	51	11	29	39	40	37	36	38	MIN.
AC. FT.	55,980	16,650	5,830	16,210	3,740	2,880	2,760	2,800	2,630	2,980	2,790	3,260	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
\# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
163											118,500

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 09 30	121 18 10	NE 34 4N 6E	27,000	29.58	11-22-1950	MAY 24-OCT 25[o]	MAY 1924-DATE	1924	1931	18.9	USCGS
						JAN 26-DATE		1931		14.9	USCGS

Station located 0.3 mile below county highway bridge, 0.4 mile below dam and canal intake of Woodbridge Irrigation District. Flow regulated by reservoirs and powerplants. Records furnished by U. S. Geological Survey. Drainage area is 661 square miles.

[o] - Irrigation season only.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1972	B21160	SUTTER CREEK NEAR SUTTER CREEK

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	3.0	11	22	23	23	9.9	10	3.7	0.2			1
2	0.0	3.3	11	20	21	21 *	9.6	9.9	3.5	0.0			2
3	0.4	3.4	16	19	20	21	9.3	9.6*	3.1	0.0			3
4	0.9	3.4	15	17	21	20	9.3	9.3	2.9	0.0			4
5	0.8	3.4	11	16	147	18	11 *	9.3	2.8	0.0			5
6	0.8	3.4	17	15	224	17	18	9.3	2.6	0.0*			6
7	0.7	3.5	20	15	101	16	14	9.6	2.5	0.0			7
8	0.5	3.4	12	15	73	15	12	9.2	2.3	0.0			8
9	0.4	3.4	10	14	60	15	11	8.8	2.5	0.0			9
10	0.3	3.4	15	14	49	16	10	8.7	3.0	0.0			10
11	0.4	6.2	13	14	41	16	12	8.4	2.9	0.0	N	N	11
12	0.4	39	15	13	35	15	48	7.9	2.6	0.0			12
13	0.5	27	19	13	30	14	98	7.2	2.3*	0.0	O	O	13
14	0.6	18	14	13	26	14	43	6.7	2.0	0.0			14
15	0.9	9.9*	16 *	12	23	14	29	6.3	1.9	0.0			15
16	1.3	7.7	14	11	22	13 *	23	6.1	1.7	0.0	F	F	16
17	1.8	6.7	11	11	21	13	20	6.3	1.5	0.0			17
18	1.8*	6.3	10	11	20	13	18	6.1	1.5	0.0	L	L	18
19	1.7	6.1	11	11	18	12	17	6.5	1.4	0.0			19
20	1.7	5.9	8.8	12	17	12	16	6.9	1.2	0.0	O	O	20
21	1.8	5.6	8.5	12	17	12	15	7.6	1.0	0.0	W	W	21
22	2.0	5.6	142	12	31	14	14	7.1	1.0	0.0			22
23	2.2	5.2	151	19	26	16	13	6.3	1.1	0.0			23
24	2.3	5.2	84	17	22	13	17	5.9	1.3	0.0			24
25	2.3	5.2	377	17	28	13	16	5.7	1.4	0.0			25
26	2.3	5.3	145	20	25	13	14	5.3	1.3	0.0			26
27	2.6	6.4	81	22 *	22	16	12	5.0	1.1	0.0			27
28	2.5	7.8	62 *	21	20	11	12	4.7	0.9	0.0			28
29	2.5	22	43	21	27	11	11	4.4	0.6	0.0			29
30	2.8	17	32	21		11	11	4.1	0.4	0.0			30
31	3.1		26	22		10		3.9		0.0			31
MEAN	1.4	8.4	45.8	15.9	40.3	14.8	19.1	7.2	1.9	0.0			MEAN
MAX.	3.1	39.0	377	22.0	224	23.0	98.0	10.0	3.7	0.2			MAX.
MIN.	0.0	3.0	8.5	11.0	17.0	10.0	9.3	3.9	0.4	0.0			MIN.
AC. FT.	84	499	2819	976	2321	908	1137	441	115				AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
12.8	700	3.16	12	25	1215	0.0	0.50	10	01	0000	9300

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 23 45	120 46 50	SE 5 6N 11E	5,770 E	6.27	1-31-1963	JAN 36-DEC 41 MAR 1960-DATE	JAN 36-DEC 41 MAR 1960-DATE	1936 1938	1938	-4.00 0.00	LOCAL LOCAL

Station located 0.4 mile below Volcano Road Bridge, 1.3 miles east of Sutter Creek. Tributary to Cosumnes River via Dry Creek. Drainage area is 48.1 square miles.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1972	B01520	DRY CREEK NEAR GALT

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0 *		0.0	98	44	70	4.1	2.4	0.0		*	*	1
2	0.0		0.0 *	82	41 *	61	3.2	4.5	0.1				2
3	0.2	*	0.0	72	37	59	2.4	0.4	0.1				3
4	0.0		0.0	62	36	56	4.7	0.0	0.0				4
5	0.0		0.0	48	122	53	6.8 *	0.0	0.0 *				5
6	0.0		0.0	41	964	48 *	18	0.0	0.0	*			6
7	0.0		0.0	37	560	47	17	0.0	0.0				7
8	0.0		0.0	35	348	42	14	0.0	0.0				8
9	0.0		0.1	30	252	39	10	0.0 *	0.0				9
10	0.0	N	1.4	28	190	39	7.6	0.0	0.0	N	N	N	10
11	0.0	O	1.5	28	150	40	7.4	0.1	0.0	O	O	O	11
12	0.0		5.1	25	124	38	13	0.0	0.0				12
13	0.0		6.5	23	112	33	98	0.0	0.0				13
14	0.0		14	23	103	24	116	0.0	0.0				14
15	0.0		10	24	90	27	75	0.0	0.0				15
16	0.0	F	5.8	23	90	26	51	0.0	0.0	F	F	F	16
17	0.0		3.9	21	84	23	33	0.0	0.0				17
18	0.0	L	3.1	19	73	20	23	0.2	0.0	L	L	L	18
19	0.0		2.3	19	65	18	20	0.1	0.0				19
20	0.0	O	1.8	18	59	19	17	0.0	0.0	O	O	O	20
21	0.0 *	W	0.8	18	58	16	13	1.8	0.0	W	W	W	21
22	0.0		1.0	18	55	24	8.7	1.9	0.0				22
23	0.0		335	19	87	20	9.7	0.6	0.0				23
24	0.0		182	30	80	25	15	0.7	0.0				24
25	0.0		1,330	28	71	23	20	0.2	0.0				25
26	0.0		934	25	81	23	19	0.0	0.0				26
27	0.0		392 *	38	71	20	13	0.0	0.0				27
28	0.0		510 *	74	76	15	6.1	0.0	0.0				28
29	0.0		272	61	64	16	5.2	0.3	0.0				29
30	0.0		164	51		8.6	2.0	0.0	0.0				30
31	0.0		121	46		5.4		0.1					31
MEAN	0.0		139	37.5	144	31.5	21.8	0.4	0.0				MEAN
MAX.	0.2		1,330	98	964	70	116	4.5	0.1				MAX.
MIN.	0.0		0.0	18	36	5.4	2.0	0.0	0.0				MIN.
AC. FT.	0.4		8,520	2,310	8,300	1,940	1,300	27	0.3				AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
# — E AND *

WATER YEAR SUMMARY

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
30.9	2,300	12.01	12	25	2030	0.0					22,400

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 14 48	121 13 03	NE 32 5N 7E	24,000	15.28	4-3-1958	OCT 26-SEPT 33	OCT 26-SEPT 33	1944	1945	55.83	USCGS
						OCT 44-DATE	OCT 44-DATE	1945		52.83	USCGS

Station located below county road bridge, 4 miles east of Galt. Tributary to Mokelumne River. Records furnished by U. S. Geological Survey. Drainage area is 329 square miles.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1972	801580	DEER CREEK NEAR SLOUGHHOUSE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1			0.9	16	12	13	3.0	2.6					1
2			1.9	13	9.4	10	3.4	2.5	*		*		2
3			2.5	11	7.7	9.3	3.3	2.2					3
4			4.8	9.8	6.7	9.7	3.0	1.8					4
5	*		4.9	8.6	234	9.1	4.0	1.6				*	5
6			3.8	7.3	336	8.4	11	2.0		*			6
7			2.5	6.5	70	7.3	12	2.0					7
8			2.3	5.9	39	6.3	7.5	2.2					8
9			2.5	5.4	31	6.4	5.9	2.2					9
10			2.4	4.9	22 *	7.4	5.3	1.8					10
11	N	N	2.4	4.7	16	10	5.9	1.4	N	N	N	N	11
12			5.0	4.9	13	7.3	19	1.2					12
13	O	O	8.3	4.7	12	6.4	29	1.0	O	O	O	O	13
14			7.1	4.7	10	6.4	16	0.8					14
15		*	3.6*	4.5	8.9	6.1	9.9	0.5			*		15
16	F	F	2.9	4.3	7.6	5.5*	8.1	0.3	F	F	F	F	16
17			2.2	4.3	6.8	5.0	7.0	0.1					17
18	L	L	1.7	4.3	6.9	4.6	5.9	0.0	L	L	L	L	18
19			1.6	4.3	6.4	4.3	5.0	0.0					19
20	O	O	1.5	4.3	6.0	4.0	4.6	0.0	O	O	O	O	20
21	W	W	1.6	4.3	5.6	3.8	4.3	0.3	W	W	W	W	21
22			34	4.5	12	4.4	4.1	0.5					22
23			51	5.3	14	6.3	3.6	0.7					23
24			46	11	9.4	5.7	5.2	0.7					24
25			726	7.2	27	4.5	9.1	0.5					25
26			119	6.3	27	4.1	6.4	0.3					26
27			200	23 *	16	3.8	4.7	0.2					27
28			137 *	46	13	3.6	3.7	0.1					28
29			46	34	13	3.4	3.0	0.0					29
30			34	22		3.4	2.6	0.0					30
31			23	15		3.3		0.0					31
MEAN			47.8	10.1	34.4	6.2	7.2	1.0					MEAN
MAX.			726	46.0	336	13.0	29.0	2.6					MAX.
MIN.			0.9	4.3	5.6	3.3	2.6	0.0					MIN.
AC. FT.			2940	619	1980	382	427	59					AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
= — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
8.8	1060	9.31	12	25	1100	0.0	5.70	10	01	0000	6408

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 33 06	121 06 30	NW 16 8N 8E	6,560 E	12.86	10-13-1962	NOV 1959-DATE	NOV 1959-DATE	1959		0.00	LOCAL

Station located 0.2 mile above Scott Road Bridge, 5.9 miles northeast of Sloughhouse. Tributary to Cosumnes River. Drainage area is 46.0 square miles.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1972	B01125	COSUMNES RIVER AT MCCONNELL

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0 *	0.0	116	339	230	939	355	466	111		0.0 *	*	1
2	0.0	1.5 *	85 *	287	220 *	810	355	463	104		0.6		2
3	0.0	8.1	73	255	202	773	365	453	96		14		3
4	0.0	11	84	232	197	821	375	452	86		14		4
5	0.0	8.1	76	201	269	828	390 *	435	75		7.0		5
6	0.0	6.3	69	185	2,290	722 *	561	437	62 *	*	0.0		6
7	0.0	0.9	61	185 *	1,660 *	580	747	431	60		0.0		7
8	0.0	0.0	99	174	843	536	657	412	53		0.0		8
9	0.0	0.0	81	165	625	512	585	374 *	55		0.0		9
10	0.0	0.0	67	157	503	568	531	356	61	N	0.0	N	10
11	0.0	0.0	87	153	427	678	518	336 *	62	O	0.0	O	11
12	0.0	0.0	97	150	373	621	631	314	58		0.0		12
13	0.0	175	90	149	336	539	1,020	298	49 *		0.0		13
14	0.0	153	97	148	321	588	932	287	42		0.0		14
15	0.0	111	80	148	311	596	733	280	40		0.0		15
16	0.0	82	76	151	300	525	674	271	33	F	0.0	F	16
17	0.0	61	74	154	287	476	660	257	29		0.0		17
18	0.0	46	63	160	281	441	671	251	23	L	0.0	L	18
19	0.0	36	64	170	276	418	649	227	19		0.0		19
20	0.0	32	62	178	280	397	606	212	15	O	0.0	O	20
21	0.0	31	60	195	297	384	559	219	11	W	0.0	W	21
22	0.0	28	73	215	350	376	537	207	6.5		0.0		22
23	0.0	26	1,040	300	639	373	528	191	0.0 *		0.0		23
24	0.0	23	855	460	576	380	550	174	0.0		0.0		24
25	51	23	2,310	415	624	410	627	163	0.0		0.0		25
26	15	24	2,960	400	837	405	550	150	0.0		0.0		26
27	7.0	26	1,270	480	714	395	515	153	0.0		0.0		27
28	4.6	34	1,440 *	365	643	390	506	150	0.0		0.0		28
29	2.9	72	932	320	669	380	504	129	0.0		0.0		29
30	3.1	118	562	280		370	492	132	0.0		0.0		30
31	0.2		423	265		360		117					31
MEAN	2.7	37.9	436	240	537	535	579	284	38.4		1.2		MEAN
MAX.	51	175	2,960	480	2,290	939	1,020	466	111		14		MAX.
MIN.	0.0	0.0	60	148	197	360	355	117	0.0		0.0		MIN.
AC. FT.	166	2,260	26,830	14,750	30,900	32,910	34,480	17,450	2,280		71		AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
# — E AND *

WATER YEAR SUMMARY

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
223	4,170	38.97	12	25	2200	0.0		10	1		162,100

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 21 29	121 20 34	SW 20 6N 6E	54,000	46.26	12-23-1955	OCT 1941-DATE	JAN 31-MAY 40 # OCT 41-DATE	1931		0.00	USED

Station located on U. S. Highway 99 Bridge, 0.2 mile south of McConnell, 7.0 miles north of Galt. Maximum discharge of record listed is for period 1943 to date. Records furnished by U. S. Geological Survey. Drainage area is 724 square miles.

- Flood season only.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1972	A00020	MORRISON CREEK NEAR SACRAMENTO

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	5.4 *	5.2 *	6.1	9.0	6.8	6.7	3.4	6.9	7.5	7.4	9.3	5.8	1
2	4.6	6.0	15 *	6.6	7.5	9.5 *	2.8	8.4	7.9	5.7	8.7	4.6	2
3	4.4	8.0	15	5.1	6.8	6.2	7.0	7.9	6.1	6.8	8.4	4.8	3
4	5.9	9.0	6.5	7.9	9.2 *	3.8	8.3	7.2	7.0	6.3	8.3	4.2	4
5	6.4	8.1	5.6	6.4	100	3.3	23	7.5	8 0	6.7	6.3	7.3	5
6	5.9	6.0	5.8	5.6	67	7.9	15	4.8	8.9 *	7.3 *	6.4	8.9 *	6
7	5.8	5.0	5.6	5.6	26	9.2	9.3	3.6	8.0	7.4	7.7	9.3	7
8	6.4	6.5	5.0	3.4	17	9.1	5.2	6.1	7.7	6.5	7.5	9.1	8
9	3.8	8.2	4.2	3.1	14	8.1	3.3	6.5	11	7.1	9.0	5.9	9
10	4.5	7.2	5.8	4.8	11	11	5.2	7.9	6.8	7.7	9.3	5.4	10
11	3.8	13	3.4	5.5	9.6	8.9	31	8.8 *	5.0	8.2	8.0	7.1	11
12	5.3	19	14	5.5	5.8	8.1	25	10	6.8	10	5.8	7.3	12
13	6.0	17	9.8	5.5	5.2	8.1	16	9.6	7.4	9.3	5.6	8.7	13
14	6.5	6.3	7.8	5.7	8.2	8.2	10	7.4	7.7	9.4	6.4	7.8	14
15	7.8	7.2	5.4	3.3	9.3	7.5	7.6	10	7.9	8.9	7.1	6.6	15
16	5.6	6.5	4.8	3.0	8.1	6.9	5.4	12	9.1	6.6	8.4	4.9	16
17	3.2	6.2	4.4	5.9	6.9	7.3	5.9	12	8.1	9.6	7.9	4.0	17
18	5.3	5.5	3.3	6.6	6.5	6.0	5.9	8.7	7.3	10	7.1	5.2	18
19	6.9	5.6	3.0	6.0 *	4.2	3.1	6.6	9.0	8.1	10	5.2	5.5	19
20	7.6	4.4	4.6	7.9	4.0	6.1	7.1	8.2	8.0	11	4.4	5.1	20
21	6.7	3.8	18 *	7.6	4.0	7.0	8.6	8.3	8.0	9.2	5.5	5.6	21
22	6.9	5.5	100	4.8	8.9	17	5.1	8.6	7.3	7.0	5.6	7.0	22
23	7.4	5.6	33	9.3	8.2	8.3	4.6	8.8	6.2	5.9	6.8	4.2	23
24	3.6	5.8	69	6.9	6.9	5.2	34	9.6	4.6	7.5	7.9	2.7	24
25	5.9	4.0	176	9.6	8.5	2.2	12	9.1	4.2	8.1	7.1	5.2	25
26	7.4	3.8	59	8.1	6.6	1.6	7.1	7.5	6.8	8.2	4.8	37	26
27	6.6	3.6	138 *	33	4.6	5.8	7.1	4.6	7.5	8.0	4.4	11	27
28	5.6	8.0	97 *	16	7.3	7.9	6.5	4.4	7.7	9.0	5.4	7.5	28
29	5.3	5.2	39	9.8	7.2	6.9 *	4.4	3.6	7.5	8.7	5.7	5.3	29
30	3.7	6.3	23	7.5		6.3	4.7	7.2	10	7.2	6.3	2.7	30
31	3.7		15	6.8		3.0		7.2		8.4 *	6.5		31
MEAN	5.6	7.0	29.1	7.5	13.6	7.0	9.9	7.8	7.5	8.0	6.9	7.2	MEAN
MAX.	7.8	19	176	33	100	17	34	12	11	11	9.3	37	MAX.
MIN.	3.2	3.6	3.0	3.0	4.0	1.6	2.8	3.6	4.2	5.7	4.4	2.7	MIN.
AC. FT.	345	420	1,790	460	784	429	589	479	445	494	422	428	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
\# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
9.8											7,080

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 29 55	121 27 06	SE 32 8N 5E	1,610	8.53	1-26-1969	JULY 1959-DATE	JULY 1959-DATE	1959	1960	8.15	USCGS
								1960	1965	10.31	USCGS
								1965		7.60	USCGS

Station located 750 feet above Florin Road in southeast Sacramento. Tributary to Snodgrass Slough via Beach and Stone Lakes. Records furnished by U. S. Geological Survey. Drainage area is 48.6 square miles.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1972	B95925	DELTA-MENDOTA CANAL NEAR TRACY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	2,485	2,342	2,140	0.0	3,047	3,448	3,702	3,668	4,261	2,582	4,475	4,104	1
2	2,500	2,088	2,076	0.0	2,513	3,770	4,165	4,102	4,311	2,593	4,476	4,018	2
3	2,933	2,085	1,946	0.0	2,598	4,076	3,684	4,121	4,309	3,340	4,485	4,007	3
4	2,967	2,144	1,986	0.0	2,581	4,088	3,716	4,128	4,290	4,315	4,456	4,004	4
5	2,953	2,146	1,947	0.0	2,662	4,027	3,691	4,039	4,304	4,283	4,409	4,013	5
6	2,941	2,141	2,081	0.0	3,098	4,049	3,669	4,011	4,308	4,289	4,417	3,993	6
7	2,956	2,143	2,071	0.0	2,921	4,077	3,603	4,042	4,293	4,301	4,410	3,732	7
8	3,022	2,144	2,044	0.0	2,924	4,073	3,655	4,046	4,319	4,297	4,437	3,631	8
9	3,264	2,148	2,141	0.0	2,998	4,108	3,653	4,051	4,235	4,323	4,421	3,995	9
10	3,270	2,065	2,164	70	3,151	4,127	3,256	4,075	4,314	4,308	4,413	4,004	10
11	3,258	2,215	2,165	103	3,257	4,044	3,076	4,054	4,259	4,286	4,418	3.949	11
12	3,269	2,251	2,162	104	3,292	4,035	2,360	4,103	4,230	4,307	4,409	3,958	12
13	3,120	2,204	2,175	104	3,168	4,008	2,373	4,043	4,191	4,302	4,397	3,941	13
14	3,130	2,374	2,273	213	3,226	4,017	2,381	4,048	4,145	4,281	4,401	3,941	14
15	3,081	2,398	2,334	207	3,445	4,035	2,372	4,043	4,154	4,347	4,402	4,002	15
16	3,031	2,401	2,321	210	3,414	4,041	2,395	4,050	4,191	4,472	4,470	3,935	16
17	2.964	2,431	2,335	315	3,424	4,119	2,443	4,025	4,196	4,390	4,431	3,960	17
18	2,846	2,500	2,345	378	3,428	4,123	3,588	4,074	4,204	4,399	4,382	3,925	18
19	2,267	2,501	2,338	1,441	3,440	4,112	3,983	4,127	4,181	4,416	4,364	3,942	19
20	2,874	2,499	2,335	1,568	3,880	3,632	4,187	4,128	4,233	4,393	4,345	3,903	20
21	2,707	2,493	2,316	1,554	3,873	3,775	4,167	4,130	3,561	4,395	4,339	3,876	21
22	2,312	2,450	2,335	1,703	3,436	3,640	4,102	4,123	2,558	4,390	4,328	3,918	22
23	2,559	2,436	1,490	2,485	3,449	3,664	4,096	4,058	1,173	4,393	4,331	3,912	23
24	2,808	2,449	965	2,887	3,469	3,623	4,187	4,158	923	4,398	4,338	3,966	24
25	2,804	2,471	2,271	2,677	3,455	3,702	4,10)	4,092	926	4,448	4,328	3,846	25
26	2,800	2,476	2,272	2,750	3,442	4,156	4,070	4,109	947	4,486	4,375	3,921	26
27	2,756	2,484	1,469	2,793	3,889	3,636	4,078	4,114	968	4,485	4,389	3,935	27
28	2,716	2,482	1,550	2,550	3,435	3,739	4,142	4,081	965	4,488	4,328	3,809	28
29	2,675	2,470	1,551	2,656	3,434	3,704	3,746	4,093	963	4,487	4,284	3,944	29
30	2,714	2,235	623	2,652		3,720	3,160 B	4,052	1,682	4,400	4,363	3,918	30
31	2,613 A		0.0	2,643		3,635		4,057		4,449	4,277		31
MEAN	2,858	2,322	1,943	1,034	3,253	3,903	3,527	4,066	3,320	4,227	4,390	3,937	MEAN
MAX.	3,270	2,501	2,345	2,887	3,889	4,156	4,187	4,158	4,319	4,488	4,485	4,104	MAX.
MIN.	2,312	2,065	0.0	0.0	2,513	3,448	2,360	3,668	923	2,582	4,277	3,631	MIN.
AC. FT.	175,945	138,183	119,448	63,597	187,141	240,009	209,611	250,010	197,545	259,924	269,950	234,255	AC. FT.

A - 25-Hour Day
B - 23 Hour Day

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
3,231											2,345,618

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
37 47 45	121 35 05	SW 31 1S 4E				JUNE 1951-DATE	JUNE 1951-DATE	1951		0.00	USCGS

Station located at Tracy Pumping Plant at intake to canal, 6 miles southeast of Byron, 10 miles northwest of Tracy. Discharge computed from records of operation of pumps. Water is diverted from Sacramento-San Joaquin Delta by way of Old River and a dredged channel to the Tracy Pumping Plant where it is lifted about 200 feet into the canal. Records are furnished by the U. S. Bureau of Reclamation.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1972	B95910	CONTRA COSTA CANAL NEAR OAKLEY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	118	78	96	82	62	87	135	180	224	208	187	223	1
2	128	80	95	78	63	87	131	164	236	209	191	219	2
3	137	91	75	78	63	86	129	198	240	157	208	214	3
4	146	96	77	77	57	76	133	186	219	122	209	198	4
5	161	91	85	72	58	61	159	223	222	146	213	212	5
6	161	75	90	69	62	75	161	235	226	179	203	206	6
7	163	77	74	69	62	71	156	212	234	185	227	221	7
8	155	91	77	67	58	79	151	172	230	163	210	212	8
9	151	92	72	62	60	75	148	191	215	163	221	209	9
10	149	92	74	56	61	81	148	151	214	163	211	212	10
11	149	72	63	62	61	81	154	203	202	171	221	216	11
12	150	87	61	60	61	76	146	230	211	175	218	208	12
13	152	96	61	60	59	77	158	248	218	210	219	208	13
14	156	95	53	65	69	87	161	239	232	205	216	212	14
15	148	96	57	65	63	86	175	242	231	198	222	209	15
16	143	75	66	64	63	89	167	231	232	186	209	203	16
17	141	89	82	68	63	90	161	238	234	187	201	206	17
18	142	98	77	62	83	96	178	213	233	191	209	198	18
19	129	83	74	66	76	97	175	215	234	178	216	196	19
20	121	84	85	67	81	96	172	217	236	167	215	188	20
21	75	92	86	68	76	103	175	215	237	182	214	183	21
22	68	83	113	63	77	103	169	210	246	199	214	183	22
23	60	87	122	63	83	101	179	214	255	193	214	171	23
24	61	85	125	62	85	124	171	225	233	191	213	166	24
25	70	83	125	62	78	112	177	231	219	201	220	170	25
26	78	70	123	65	87	112	176	224	246	176	226	163	26
27	72	82	129	66	85	114	178	218	239	169	223	152	27
28	72	80	131	59	88	116	172	216	230	174	230	151	28
29	71	69	134	65	90	111	162	223	223	190	228	153	29
30	74	79	133	64		131	160 B	224	217	193	224	153	30
31	63 A		124	69		134		219		184	228		31
MEAN	118	84.9	91.6	66.3	70.1	94.0	161	213	229	181	215	194	MEAN
MAX.	163	98	134	82	90	134	179	248	255	210	230	223	MAX.
MIN.	60	69	53	56	57	61	129	151	202	122	187	151	MIN.
AC. FT.	7,273	5,054	5,631	4,076	4,034	5,780	9,541	13,105	13,623	11,137	13,210	11,534	AC. FT.

A - 25-Hour Day
B - 23-Hour Day

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
\# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
143											103,998

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
37 59 45	121 42 00	NE 25 2N 2E				FEB 1950-DATE	FEB 50-DEC 52	1950	1952	121.72	USCGS

Station located at Pumping Plant No. 1, 0.7 mile east of Oakley, 2.6 miles northwest of Knightsen. Water is diverted from Sacramento-San Joaquin Delta by way of Old River, Rock Slough, and a dredged channel. A series of 4 pumping plants lift the water about 115 feet into canal. Recording flow meters on pumps. Records furnished by U. S. Bureau of Reclamation.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1972	B95920	CALIFORNIA AQUEDUCT AT DELTA PUMPING PLANT

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	418	646	828	128	89	1628	3959	1393	2124	512	1602	2145	1
2	784	546	828	139	87	1622	6106	2118	1984	255	1799	3612	2
3	1021	541	741	470	102	1621	1462	2123	2258	346	1556	5950	3
4	179	544	750	671	92	2468	1472	2105	3360	232	1717	2152	4
5	908	545	1820	670	99	4476	2240	1961	1388	232	1812	2158	5
6	1230	912	619	662	72	984	2239	2072	2120	255	2938	2085	6
7	1063	1470	417	670	205	1621	2240	3360	2101	371	1083	2148	7
8	417	544	418	1125	652	1620	3749	1391	2117	255	1078	2147	8
9	698	546	417	1761	668	1619	5180	2123	1994	255	1078	3634	9
10	1120	455	418	530	672	2004	2239	2124	2277	255	1859	5950	10
11	501	131	511	950	672	3377	2240	2064	3710	192	1878	2148	11
12	824	131	1120	952	1241	5600	2239	1747	1496	73	3101	2140	12
13	824	218	232	952	3360	2005	2238	1964	2122	72	4480	2145	13
14	827	350	155	951	1147	2005	2063	3360	2127	73	1659	2145	14
15	830	198	232	1576	677	2009	2069	1395	2126	72	1759	2149	15
16	1264	417	232	2240	51	2009	3360	2129	1984	73	1759	3636	16
17	793	417	219	677	90	2009	1394	2127	2278	43	1748	5950	17
18	671	417	93	131	116	3610	2243	2107	3710	0	1724	2146	18
19	671	417	177	80	96	5950	2241	1885	1479	0	2963	2148	19
20	671	784	106	130	95	1704	2222	2278	2131	0	4830	2148	20
21	671	2239	115	65	80	2056	2124	3710	1757	0	1759	2148	21
22	671	417	132	116	87	2127	3438	1067	295	0	1754	2143	22
23	1127	417	102	131	94	2127	3360	917	255	1467	1856	3639	23
24	1820	418	93	130	73	2141	1391	952	255	1059	2265	5950	24
25	671	418	115	101	0	3815	2111	950	255	1472	2257	2139	25
26	671	418	100	94	304	6300	2124	1649	255	1547	3690	1554	26
27	671	698	84	109	350	2470	2125	2279	255	1866	4064	1494	27
28	671	1120	139	84	361	2470	2124	3710	255	1714	1616	1114	28
29	672	418	139	116	1303	2308	3437	1492	255	1764	2149	2140	29
30	1126	505	162	73		2476	3220	2123	255	2240	2135	3626	30
31	1896		185	82		2471		2118		1426	2150		31
MEAN	851	577	377	534	446	2603	2622	2026	1633	585	2197	2823	MEAN
MAX.	1896	2239	1820	2240	3360	6300	6106	3710	3710	2240	4830	5950	MAX.
MIN.	179	131	84	73	0	984	1391	917	255	0	1078	1114	MIN.
AC. FT.	52,325	34,309	23,204	32,858	25,656	160,070	155,997	124,548	97,147	35,942	135,109	167,967	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
\# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
1,440											1,045,132

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
37 48 02	121 37 09	SE 35 1S 3E				OCT 1968-DATE					

Delta Pumping Plant located 4.5 miles south of Byron. Discharge computed from records of operation of pumps. Water diverted from Sacramento-San Joaquin Delta via Clifton Court Forebay and lifted about 240 feet into the canal. Prior to November 1969, water was diverted via Italian Slough.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1972	B89100	MARSH CREEK NEAR BYRON

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1					0.0	0.7							1
2					0.0	0.3							2
3					0.0	0.2							3
4					0.0	0.2							4
5					7.3	0.1							5
6					15	0.0							6
7					10	0.0							7
8					7.3	0.1							8
9					6.1	0.1							9
10	N	N	N	N	4.9	0.0	N	N	N	N	N	N	10
11	0	0	0	0	4.0	0.0	0	0	0	0	0	0	11
12					2.7	0.0							12
13					2.2	0.0							13
14					2.3	0.0							14
15	F	F	F	F	1.5	0.0	F	F	F	F	F	F	15
16	L	L	L	L	1.1	0.0	L	L	L	L	L	L	16
17					0.9	0.0							17
18	0	0	0	0	0.3	0.0	0	0	0	0	0	0	18
19					0.2	0.0							19
20	W	W	W	W	0.2	0.0	W	W	W	W	W	W	20
21					0.6	0.0							21
22					1.5	0.0							22
23					2.9	0.0							23
24					2.0	0.0							24
25					2.0	0.0							25
26					1.7	0.0							26
27					1.4	0.0							27
28					1.5	0 0							28
29					1.3	0.0							29
30						0.0							30
31						0.0							31
MEAN					2.8	0.1							MEAN
MAX.					15	0.7							MAX.
MIN.					0.0	0.0							MIN.
AC. FT.					161	3.3							AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
\# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
0.23	16	3.20	2	5	2200	0.0					164

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
37 52 25	121 43 35	SW 2 1S 2E	3,880	11.62	1-31-1963	FEB 1953-DATE	FEB 1953-DATE	1953		177.87	USCGS

Station located 40 feet below highway bridge, 1.2 miles above Marsh Creek Dam, 5.0 miles west of Byron. Station affected by backwater from Marsh Creek Reservoir. Maximum gage height of record is 12.98 feet on December 23, 1955. Tributary to San Joaquin River. Records furnished by U. S. Geological Survey. Drainage area is 42.6 square miles.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1972	G12200	BIDWELL CREEK NEAR FORT BIDWELL

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	8.4	8.1	7.0	9.6	11	32	32	62	159	25	12	8.0	1
2	8.4	7.6	8.7	10	11	40	37	68	147	24	12	8.0	2
3	9.0	7.6	8.3	10	11	75	43	77	139	23	12	8.0	3
4	9.6	8.0	8.4	11	11	66	52	87	131	21	12	8.0	4
5	10	7.8	10	11 *	10	65	69	97	121	21	12	8.0	5
6	10	7.6	11	11	10	66	68	117	118	21	12	8.0	6
7	11	7.6	7.7	11	10	65	60	118	122	20	12	7.7	7
8	9.7	7.4	10	11	10	57	53	104	120	19	11	7.7	8
9	9.0	7.5	10	11	10	59	48	88 *	111	19	11 *	7.6	9
10	8.5	7.5	8.9	11	9.0	61	44	81	100	18	11	7.4	10
11	8.2	8.5	8.5	11	9.0	65	41	82	91	18	11	7.5	11
12	7.8*	8.8	8.4	11	9.0	69	39	87	80	17	11	7.7*	12
13	7.7	8.4	8.0	11	8.3	81	37	101	73	17	11	7.7	13
14	7.8	7.9	8.1	11	8.4	81	35	122	68	16	10	7.5	14
15	7.8	7.6	8.0*	11	8.4	74 *	36	137	66	16	9.7	6.8	15
16	7.8	7.0*	8.0	11	8.6	79	39	146	66	15	9.6	6.8	16
17	7.9	7.4	8.0	11	9.6	91	38	139 *	64	15	9.6	6.8	17
18	7.9	7.5	8.3	13	11	103	35 *	123	61	14 *	9.6	6.4	18
19	8.1	7.3	8.3	18	11	87	34	112	54	14	9.6	6.3	19
20	8.8	7.4	8.3	16	14	74	34	107	50	14	9.6	6.1	20
21	8.1	7.6	8.6	22	14	69	39	97	47	14	9.6	6.1	21
22	7.9	7.7	8.6	62	14	64	43	91	42 *	14	9.3	6.0	22
23	8.0	7.5	8.6	32	13	55	47	87	39	14	9.3	5.8	23
24	7.8	8.3	9.0	20	11	47	50	87	38	13	9.3	5.8	24
25	7.5	7.7	9.0	17	11	44	47	90	35	13	9.1	5.6	25
26	8.4	12	9.0	14	12	38	47	94	33	13	8.8	5.9	26
27	7.7	11	9.3	14	22	34	52	100	31	13	8.6	7.4	27
28	6.5	9.3	9.3	13	79	31	66	110	29	13	8.3	7.7	28
29	7.4	9.0	9.3	12	60	30	69	127	28	12	8.3	7.7	29
30	8.7	8.3	9.6	12		29	63	147	27	12	8.3	7.3	30
31	8.3		9.6	11		30		161		12	8.0		31
MEAN	8.4	8.1	8.8	14.8	15.0	60.0	46.6	104	76.3	16.5	10.1	7.1	MEAN
MAX.	11.0	12.0	11.0	62.0	79.0	103	69.0	161	159	25.0	12.0	8.0	MAX.
MIN.	6.5	7.0	7.0	9.6	8.3	29.0	32.0	62.0	27.0	12.0	8.0	5.6	MIN.
AC. FT.	515	482	539	912	865	3691	2771	6438	4542	1012	624	443	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
31.4	163	3.97	05	31	1530	4.2	2.98	12	01	0730	22814

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD CFS	OF RECORD GAGE HT.	OF RECORD DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
41 52 57	120 10 26	SE5 46N 16E	682	5.64	12/24/64	APR 55-OCT 57 8 MAY 58-DATE	APR 55-OCT 57 8 MAY 58-DATE	1958		0.00	LOCAL

Station located E of New Pine Creek-Fort Bidwell Highway, 2.0 mi. NW of Fort Bidwell. Tributary to Upper Alkali Lake. Stage-discharge relationship affected by ice at times. Drainage area is approximately 25.6 sq. mi.

8 - Irrigation season only.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1972	G15150	CEDAR CREEK AT CEDARVILLE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	2.3	1.3	4.5	2.5	6.0*	59	22	18	17	1.7	0.6	0.3	1
2	2.2	1.2	4.6	2.5	5.4	67	34	18	16	1.7	0.6	0.3	2
3	2.2	1.2	4.6	2.4	5.3	81	30	19	16	1.5	0.6	0.3	3
4	1.9	1.3	4.2	3.2	5.2	66	32	19	15	1.4	0.6	0.4	4
5	1.7	1.3	6.3	2.9*	5.0	53	34	19	15	1.3	0.6	0.5	5
6	1.6	1.1	9.2	2.4	4.7	48	33	21	16	1.3	0.5	0.5	6
7	1.4	1.2	5.8	2.4	4.4	48	30	20	17	1.2	0.5	0.5	7
8	1.3	1.2	5.4	2.3	4.3	47	27	19	15	1.1	0.5	0.4	8
9	1.2	1.2	5.1	2.2	4.2	46	25	18 *	13	1.1	0.5*	0.4	9
10	1.2	1.1	4.7	2.2	4.2	47	23	18	12	1.1	0.5	0.4	10
11	1.1	1.5	4.3	2.3	4.3	46	23	18	11	1.1	0.5	0.4	11
12	1.1*	1.9	4.0	2.4	4.5	47	22	18	8.6	1.1	0.4	0.5*	12
13	1.0	1.9	4.0	2.4	5.2	46	22	18	7.6	1.0	0.4	0.5	13
14	1.0	1.8	3.8	2.5	5.2	43	23	18	7.1	0.9	0.4	0.5	14
15	1.1	1.6	3.6*	2.6	5.0	44 *	27	18	6.6	0.9	0.4	0.4	15
16	1.2	1.5*	3.4	2.7	5.2	48	32	18	6.1	0.9	0.4	0.4	16
17	1.2	1.6	3.2	2.9	6.5	48	27	18	5.5	0.9	0.5	0.4	17
18	1.2	1.7	3.1	11	7.0	45	23 *	18	5.0	0.8	0.5	0.4	18
19	1.2	1.5	3.1	15	9.2	42	22	17	4.7	0.8	0.5	0.4	19
20	1.3	1.6	3.2	14	13	40	21	18	4.3	0.8	0.5	0.4	20
21	1.2	1.8	3.2	21	15	39	21	17	4.1	0.8	0.5	0.4	21
22	1.1	1.8	3.3	43	16	39	20	17	3.8	0.8	0.4	0.4	22
23	1.2	1.7	3.2	56	15	36	20	16	3.6*	0.8	0.4	0.4	23
24	1.2	2.7	3.2	34	11	35	20	16	3.4	0.7	0.4	0.4	24
25	1.1	2.4	3.3	22	11	32	20	16	3.1	0.7	0.4	0.4	25
26	1.2	10	3.0	15	14	27	19	16	2.7	0.7	0.4	0.8	26
27	1.2	8.5	2.9	11	39	24	19	17	2.5	0.8	0.3	3.9	27
28	0.8	6.4	3.3	9.5	67	22	19	17	2.3	0.7	0.3	2.3	28
29	0.9	5.7	3.2	7.4	60	21	19	17	2.0	0.6	0.3	1.2	29
30	1.2	5.2	2.7	7.0		21	19	17	1.7	0.6	0.3	0.9	30
31	1.3		2.5	6.9		21		17		0.6	0.3		31
MEAN	1.3	2.5	4.0	10.2	12.5	42.8	24.3	17.8	8.3	1.0	0.5	0.6	MEAN
MAX.	2.3	10.0	9.2	56.0	67.0	81.0	34.0	21.0	17.0	1.7	0.6	3.9	MAX.
MIN.	0.8	1.1	2.5	2.2	4.2	21.0	19.0	16.0	1.7	0.6	0.3	0.3	MIN.
AC. FT.	81	149	246	626	718	2634	1444	1093	491	60	28	38	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
= — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
10.5	99	5.74	03	03	0330	0.0	2.29	06	02	1830	7608

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
41 31 48	120 11 15	SE6 42N 16E	81	5.43	1/23/70	MAY 58-DATE	MAY 58-DATE	1958		0.00	LOCAL

Station located above Cedarville-Alturas Highway culvert, immediately W of Cedarville. Tributary to Middle Alkali Lake. Stage-discharge relationship affected by ice at times. Drainage area is approximately 25 sq. mi.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1972	G17150	EAGLE CREEK AT EAGLEVILLE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1													1
2													2
3													3
4													4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12													12
13													13
14													14
15					DATA INSUFFICIENT TO COMPUTE DISCHARGE								15
16													16
17													17
18													18
19													19
20													20
21													21
22													22
23													23
24													24
25													25
26													26
27													27
28													28
29													29
30													30
31													31
MEAN													MEAN
MAX.													MAX.
MIN.													MIN.
AC. FT.													AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
\# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
41 18 40	120 07 27	SE23 40N 16E				MAY 58-DATE	MAY 58-DATE	1958		0.00	LOCAL

Station located 0.6 mi. SW of Eagleville. Tributary to Middle Alkali Lake. Stage-discharge relationship affected by ice at times. Drainage area is 6.36 sq. mi.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1972	G31140	PINE CREEK AT EAGLE LAKE NEAR SUSANVILLE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1					0.0	147	1.8	1.9					1
2					0.0*	188	2.0	1.9					2
3					0.0	286	2.2	1.4					3
4				*	0.0	358	2.3	0.9					4
5					0.0	247	3.2	0.9					5
6					0.0	122	22	0.9					6
7					0.0	99	29	0.9					7
8					0.0	122	29	1.0					8
9					0.0	200	14	1.5					9
10					0.0	266	7.4	1.5*			*		10
11	N	N	N	N	0.0	286	5.0	1.0	N	N	N	N *	11
12					0.0	261	9.5	0.7					12
13	0 *	0	0	0	0.0	204	10	0.4	0	0	0	0	13
14			*		0.0	145	26	0.1					14
15					0.0	104	62	0.0					15
16	F	F	F	F	0.0	75 *	93	0.0	F *	F	F	F	16
17		*			0.0	59	92	0.0					17
18	L	L	L	L	0.0	39	57	0.0	L	L	L	L	18
19					0.0	32	31 *	0.0					19
20	0	0	0	0	0.0	21	16	0.9	0	0	0	0	20
21	W	W	W	W	0.0	13	8.6	3.1	W	W *	W	W	21
22					0.0	12	6.1	6.3					22
23					0.0	17	5.1	5.3					23
24					0.0	20	4.6	3.4					24
25					0.0	15	4.5	2.0					25
26					0.0	10	4.0	0.9					26
27					0.0	8.5	3.4	0.5					27
28					3.8	6.6	2.4	0.0					28
29					104	4.5	1.9	0.0					29
30						3.2	1.8	0.0					30
31						2.2		0.0					31
MEAN					3.7	108	18.6	1.2					MEAN
MAX.					104	358	93.0	6.3					MAX.
MIN.					0.0	2.2	1.8	0.0					MIN.
AC. FT.					214	6690	1104	74					AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
11.1	449	4.76	03	04	0415	0.0	1.37	10	01	0000	8083

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
40 39 56	120 47 07	NE1 32N 10E	936	5.60	1/24/70	JUL. 56-DATE	JUL 56-DATE	1970		0.00	LOCAL

Station located above mouth, 13 mi. NW of Susanville. Prior to October 1, 1969, gage located at site 1 mi. upstream at different datum. Tributary to Eagle Lake. Stage-discharge relationship affected by ice at times. Drainage area is approximately 227 sq. mi.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1972	G61705	LONG VALLEY CREEK NEAR HALLELUJAH JUNCTION

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	1.4	2.9	4.6	10	8.2	24	7.7	3.1	1.7	1.0	1.0	0.9	1
2	1.4	2.9	4.6	11	13	25	7.5	3.2	1.7	1.0	1.0*	0.9	2
3	1.4	2.8	3.5	9.1	6.8	27	6.3	3.0	1.6	1.0	1.0	0.9	3
4	1.5	3.1	3.8	6.7	8.8	27	4.6	2.9	1.6	1.0	1.0	0.9	4
5	1.5	3.4	3.5	5.1*	8.0	26	6.3	2.9	1.6	1.0*	1.0	0.9*	5
6	1.5	3.2	4.9	5.1	10	23	8.9	2.9	1.5	1.0	1.0	0.9	6
7	1.5	3.5	2.3*	5.2	10	24	6.4	3.0	2.7	1.0	1.0	0.9	7
8	1.5	3.5	2.2	4.9	12	24	5.3	3.0*	2.7	1.0	1.0	0.9	8
9	1.5	3.4	2.9	5.1	13 *	21	5.0	3.1	2.1	1.0	1.0	0.9	9
10	1.6	3.4	2.9	5.6	14	24	5.0*	2.9	1.7	1.0	1.0	0.9	10
11	1.6	4.9	3.4	5.8	16	21	6.7	2.6	1.6	1.0	1.0	0.9	11
12	1.6	9.1	2.9	6.8	17	20	9.9	2.5	1.5	1.0	1.0	0.9	12
13	1.7	6.8	2.7	8.6	17	19	11	2.4	1.4	1.0	1.0	0.9	13
14	1.7*	4.7	3.5	7.6	17	18	10	2.3	1.4	1.0	1.0	0.9	14
15	1.6	5.2	3.4	7.9	17	17	9.4	2.2	1.3	1.0	1.0	0.9	15
16	1.7	4.6	3.2	6.8	16	16	8.8	2.1	1.4*	1.0	1.0	0.9	16
17	2.0	4.0	3.1	6.0	15	16	7.4	2.0	1.4	1.0	1.0	0.9	17
18	2.2	4.4*	3.0	7.9	15	16	7.9	2.2	1.3	1.0	1.0	0.9	18
19	2.2	3.7	2.9	9.6	17	15	6.9	11	1.3	1.0	1.0	0.9	19
20	2.2	4.3	3.7	12	17	14	5.8	13	1.3	1.0	0.9	0.9	20
21	2.2	5.2	11	16	18	13	5.0	8.3	1.2	1.0	0.9	0.9	21
22	2.4	5.2	37	26	24	12	4.6	6.1	1.2	1.0	0.9	0.9	22
23	2.4	4.6	22	19	20	12	4.6	4.4	1.2	1.0	0.9	0.9	23
24	2.5	5.2	24	9.1	20	11	4.8	3.4	1.1	1.0	0.9	0.9	24
25	2.5	4.3	18	7.4*	21	10	5.6	2.8	1.1	1.0	0.9	0.9	25
26	2.7	5.6	17	7.6	21	8.8	4.9	2.5	1.1	1.0	0.9	1.0	26
27	2.9	6.3	16	4.4	21	8.6	4.4	2.4	1.0*	1.0	0.9	1.0	27
28	2.3	5.9	16	6.7	24	8.2	3.5	2.1	1.0	1.0	0.9	0.9	28
29	2.2	5.4	15	12	28 *	8.7	3.1	1.9	1.0	1.0	0.9	0.9	29
30	2.8	5.2	13	13		7.9	3.0	1.9	1.0	1.0	0.9	0.9	30
31	3.1		13	15		7.5		1.7		1.0	0.9		31
MEAN	2.0	4.6	8.7	9.1	16.0	16.9	6.3	3.5	1.5	1.0	1.0	0.9	MEAN
MAX.	3.1	9.1	37.0	26.0	28.0	27.0	11.0	13.0	2.7	1.0	1.0	1.0	MAX.
MIN.	1.4	2.8	2.2	4.4	6.8	7.5	3.0	1.7	1.0	1.0	0.9	0.9	MIN.
AC. FT.	122	271	534	561	922	1041	377	218	87	61	59	54	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
= — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
5.9	56	3.28	12	22	1715	0.9	2.26	08	22	1415	4307

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 46 55	121 04 14	SW3 22N 17E	3520	9.16	1/24/70	OCT 70-DATE	OCT 70-DATE	1970		0.00	LOCAL

Station located at U. S. Highway 70 Bridge, 2 mi. west of Hallelujah Junction. Prior to October 1, 1970, gage at site 13 mi. downstream at different datum. Tributary to Honey Lake. Stage-discharge relationship affected by ice at times. Drainage area is approximately 100 sq. mi.

TABLE B-6

DIVERSIONS

The Department has reduced its diversion program to measuring the major diversions on the Feather and Yuba Rivers.

This table includes diversion data on the Sacramento River, furnished by the U. S. Bureau of Reclamation, and on the Mokelumne River, furnished by the East Bay Municipal Utility District. The data are published as received from these agencies.

Additional diversion data not included in this table may be obtained from the Water Rights Division of the State Water Resources Control Board.

TABLE B-6 (Continued)
DIVERSIONS -- FEATHER AND YUBA RIVERS
October 1971 through September 1972

WATER USER	MILE AND BANK Above Mouth	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET												TOTAL DIVERSION OCT.-SEPT. ACRE-FEET
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
						FEATHER RIVER									
--NICOLAUS BRIDGE--	9.2														
Hamatami Brothers	9.75R	1-20 1-30	1						314	1,580	1,230	1,590	1,970	963	7,648
--BEAR RIVER--															
Garden Highway Mutual Water Company	13.1R	2-20 1-24						605	1,470	3,370	2,370	3,500	2,770	940	15,025 a
Feather Water District b	15.2R	3-14	19					364	1,072	937	1,272	1,405	651	237	5,957
Plumas Mutual Water Company	17.5L	2-18	410	39	28			811	1,430	2,200	2,440	3,390	1,960	1,370	14,078 a
Tudor Mutual Water Company	18.4R	2-30 1-35						722	1,040	579	940	1,100	258	93	4,732
Feather Water District b	20.4R	4-26	31					1,380	1,616	2,483	3,348	3,292	1,862	1,203	15,215
Oswald Water District	21.4R	2-16	65						400	510	523	526	250	138	2,412
--YUBA RIVER--															
--GAGING STATION - FEATHER RIVER AT YUBA CITY--	28.0#														
--10TH STREET BRIDGE--	28.2														
City of Yuba City c	29.6R	3-20	328	247	174	175	198	310	324	546	612	752	720	470	4,856
Sutter Extension Water District d	38.1R	1-36 1-46 1-48							3,989	10,217	11,211	10,931	8,305	1,218	45,871
--HONCUT CREEK--	43.7L														
--FEATHER RIVER OUTLET AT THERMALITO AFTERBAY	58.2R														
--THERMALITO DIVERSION DAM--	65.6														
Western Canal Outlet at Thermalito Afterbay	19/3-18D**	Gravity	16,460	13,690	6,730	2,364		764	20,520	35,030	33,610	35,380	31,870	10,870	207,288
Richvale Canal Outlet at Thermalito Afterbay	19/3-18D**	Gravity						389	11,960	17,350	12,540	13,870	13,220	3,773	73,102
P. G. & E. Outlet at Thermalito Afterbay	19/3-19E**	Gravity							470	710	586	609	606	156	3,137
Sutter-Butte Canal Outlet at Thermalito Afterbay	18/3-5B**	Gravity	25,120	3,096				27,510	66,300	83,680	76,540	86,880	83,110	50,170	502,406
--OROVILLE DAM--	70.4														
FEATHER RIVER, TOTAL DIVERSIONS			42,434	17,072	6,932	2,539	198	32,855	110,905	159,192	147,222	163,225	147,552	71,601	901,727

** Diversions are via Thermalito Afterbay. Figures represent North Townships, East Ranges, and Sections. Letters represent the 1/4-1/4 sections which are lettered from A through R, excluding I and O, similar to the numbering of sections within a township.
# Station located on bridge at or near center of stream.

a Includes an undetermined amount of spill to river.
b Records furnished by U. S. Bureau of Reclamation.
c Records furnished by City of Yuba City.
d Records furnished by Sutter Extension Water District.

						YUBA RIVER									
--HIGHWAY 99E BRIDGE--	0.0														
--DAGUERRE POINT DAM--	11.0														
Hallwood Irrigation District	11.0R	Gravity	8,010	4,320	3,960	1,860	19	2,350	14,200	17,400	16,200	15,500	19,400	5,000	108,219
Cordua Irrigation District	11.0R	Gravity	8,400	10,370	8,590	3,620	19	690	4,990	11,580	11,560	13,500	13,190	5,290	91,799
Browns Valley Irrigation District	11.7R	1-24 1-16 1-12 1-6	2,820	1,130	501	26			1,430	2,580	2,950	3,200	3,500	1,240	19,377
--DRY CREEK--	13.1R														
--DEER CREEK--	21.8L														
--ENGLEBRIGHT DAM--	22.8														
YUBA RIVER, TOTAL DIVERSIONS			19,230	15,820	13,051	5,506	38	3,040	20,620	31,560	30,710	32,200	36,090	11,530	219,395

TABLE B-6 (Continued)
MISCELLANEOUS DIVERSIONS - SACRAMENTO RIVER - SACRAMENTO TO RED BLUFF [a]

October 1971 through September 1972

WATER USER	MILE AND BANK	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE-FEET												TOTAL DIVERSION OCT.-SEPT. ACRE-FEET
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
--TOWER BRIDGE - SACRAMENTO--	0.0														
--GAGING STATION - SACRAMENTO RIVER AT SACRAMENTO--	0.6L														
--AMERICAN RIVER--	1.1L														
Natomas Central Mutual Water Co.	2.15L		0						0	0	35	6	7	5	53
--STAGE STATION - SACRAMENTO RIVER AT SACRAMENTO WEIR	4.0R														
Natomas Central Mutual Water Co.	6.1L		0						1,217	1,349	2,246	1,907	1,694	780	9,193
Natomas Central Mutual Water Co.	7.5L		0						13	1	23	37	40	0	114
Robbins, Beatrice Clayton	10.25L		0						72	229	221	234	46	0	802
Nanks, G. A. and Sons	11.1R		0						72	41	69	85	50	0	317
Investment Operating Corporation	12.0R		644						5,145	9,885	11,766	8,211	5,239	0	40,890
Natomas Central Mutual Water Co.	14.1L		306						941	1,991	1,904	2,429	2,042	875	10,488
Latter Day Saints Church	15.1R		0						7	9	172	181	142	0	511
Natomas Central Mutual Water Co.	16.0L		2						4,718	7,292	7,217	7,392	7,712	2,173	36,506
Hershey, Davidella, et al	16.27R		0						0	0	0	0	0	0	0
Deseret Farms of California	16.62R		0						54	57	119	339	232	0	801
Deseret Farms of California	17.0R		0						0	183	0	0	66	0	249
--CROSS CANAL - RECLAMATION DISTRICTS 1000 AND 1001--	19.6L														
Pleasant Grove-Verona Mutual Water Company	(0.75N) a		0						0	0	0	0	0	0	0
Natomas Central Mutual Water Co.	(1.0S) a		0						1,660	2,600	3,270	3,455	2,938	1,134	15,057
Natomas Central Mutual Water Co.	(2.0S) a		47						3,564	7,533	7,860	7,941	6,907	2,654	36,506
Pleasant Grove-Verona Mutual Water Company	(3.3N) a		--						--	--	--	--	--	--	--
Pleasant Grove-Verona Mutual Water Company	(3.35N) a		229						922	1,638	1,868	1,950	1,664	534	8,805
Pleasant Grove-Verona Mutual Water Company	(3.45N) a		0						1,393	1,827	1,650	1,859	2,168	611	9,508
--FEATHER RIVER--	20.9L														
--SACRAMENTO SLOUGH--	21.2L														
Deseret Farms of California	22.5R		0						116	163	29	140	296	94	838
Furlan, Antonio, et ux.	26.6L		0						0	0	21	17	0	0	38
--STAGE STATION - SACRAMENTO RIVER AT FREMONT WEIR, WEST END	27.9R														
Hershey, Davidella, et al	28.1R		0						--	--	--	--	--	--	--
Furlan, Antonio, et ux.	28.2L		0						0	0	79	51	0	0	130
Wallace Construction Co., Inc.	29.7R		0						0	0	0	0	0	0	0
Furlan, Antonio, et ux.	30.5L		0						0	80	93	48	52	0	273
Wallace Construction Co., Inc.	30.7R		0						0	0	0	0	0	0	0
Wallace Construction Co., Inc.	32.1R		0						404	716	653	673	479	0	2,925
Sutter Mutual Water Company	32.4L		0						1,458	2,512	2,823	2,767	2,283	1,026	12,869
Leiser, Martha S., et al	33.75L		0						67	314	292	326	344	181	1,524
--GAGING STATION - SACRAMENTO RIVER AT KNIGHTS LANDING--	34.0L														
River Garden Farms Company	34.5R		0						2,495	707	329	0	0	696	4,227
Title Insurance and Trust Company	35.2L		0						179	0	109	40	35	10	373
Sutter Mutual Water Company	40.6L		0						2,511	4,181	4,544	4,323	3,433	801	19,793
River Garden Farms Company	41.0R		0						95	32	162	90	2	0	381
Reclamation District No. 108	43.1R		0						1,496	5,174	3,745	3,379	3,343	228	17,365
River Garden Farms Company	43.1R		0						1,684	4,923	4,770	4,753	4,531	1,988	22,649
Reclamation District No. 108	43.4R		0						152	160	60	91	170	6	639
Clauss, John, Jr., et al	44.2L		0						120	143	251	97	0	0	611
Clauss, John, Jr., et al	45.6L		0						366	163	0	21	0	0	550
Clauss, John, Jr., et al	46.45L		0						0	0	0	0	0	0	0
Henle, John R., et ux.	46.5L		0						287	0	93	72	0	0	452
Oji, Masanobu, et al	48.7L		101						19	369	633	304	286	31	1,743
Hiatt, Glenwood J., et al	49.0L		0						81	252	164	56	36	0	589
Hiatt, Glenwood J., et al	49.7L		0						19	154	282	191	336	96	1,078
Reclamation District No. 108	51.1R		0						2,029	7,543	6,890	6,953	8,559	3,440	35,414

TABLE B-6 (Continued)
MISCELLANEOUS DIVERSIONS - SACRAMENTO RIVER - SACRAMENTO TO RED BLUFF *

October 1971 through September 1972

WATER USER	MILE AND BANK	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET												TOTAL DIVERSION OCT.-SEPT. ACRE-FEET
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
Keeler, William S.	51.2L		0						147	752	790	1,000	839	677	4,205
Reclamation District No. 108	53.8R		0						495	1,400	908	1,192	982	312	5,289
Chaplin, May B., et al	55.1L		0						385	258	400	480	48	70	1,641
Chaplin, May B., et al	56.3L		0						0	0	0	0	0	0	0
Reclamatinn District No. 108	56.4R		159						2,883	2,231	2,447	3,178	2,733	904	14,535
Chaplin, May B., et al	56.95L		12						108	229	375	309	84	94	1,211
Pelger Mutual Water Company	57.25L		0						177	1,126	919	861	740	72	3,895
Title Insurance and Trust Company	58.3L		0						214	0	191	151	101	73	730
Reclamatinn District No: 108	59.15R		0						127	100	171	141	99	103	741
Larner, William A., et ux	60.4L		0						230	494	515	395	462	104	2,200
Reclamation District No. 108	61.05R		0						0	0	0	0	0	0	0
Reclamation District No. 108	61.2R		0						19	182	33	88	173	38	533
Reclamation District No. 108	62.3R		13						102	219	163	176	107	113	893
Reclamatinn District No. 108	62.6R		0						14	26	16	28	21	0	105
Reclamation District No. 108	63.2R		187						17,878	25,257	24,360	25,138	23,571	9,810	126,201
Sutter Mutual Water Company	63.75L		0						25,018	45,090	44,964	40,001	35,622	12,038	202,733
Oji Brnthers Farm, Inc.	63.9L		114						273	278	383	139	266	33	1,486
--STAGE STATION - SACRAMENTO RIVER AT TISDALE WEIR--	64.2L														
Tisdale Irrigation and Drainage Co.	64.4L		0						355	481	501	501	337	238	2,413
Tisdale Irrigation and Drainage Co.	67.1L		0						823	1,280	920	1,065	776	248	5,112
Winship, Alan D., et al	67.1L		0						87	79	0	66	69	0	301
Newhall Land and Farming Company	67.5L		0						1,423	1,419	1,922	202	143	90	5,199
Meridian Farms Water Company	68.8L		0						0	0	0	0	0	0	0
Reclamation District No. 108	70.4R		0						0	0	0	0	254	282	536
Meridian Farms Water Company	71.1L		0						706	1,238	933	1,092	860	150	4,979
Andreotti, Otterina, et al	72.1L		0						56	661	485	646	533	300	2,681
Froh Farms, Inc.	73.6R		0						0	0	0	0	0	0	0
Meridian Farms Water Company	74.8L		0						799	587	474	551	362	12	2,785
Meridian Farms Water Company	76.1L		0						0	0	0	0	0	0	0
Meridian Farms Water Company	76.15L		0						0	0	0	0	0	0	0
Davis, Olive Percy, et al	77.8R		56						62	331	415	343	459	338	2,004
Davis, Olive Percy, et al	78.15R		55						2,385	2,351	3,160	3,322	3,289	716	15,278
Davis, Olive Percy, et al	78.75R		0						382	725	404	640	578	317	3,128
Davis, Olive Percy, et al	78.8R		0						1,962	2,384	2,271	1,529	0	0	8,146
Meridian Farms Water Company	80.0L		1						2,562	3,304	3,404	2,969	2,597	1,184	16,021
Tomlinson, Fred L., et al	81.5L		0						76	0	0	0	0	0	76
Tomlinson, Fred L., et al	81.8L		0						0	147	0	97	108	214	566
Reclamation District No. 1004	85.3L		0						10	17	14	19	13	0	73
Swinford Tract Irrigation Company	87.7R		0						49	71	67	72	0	0	259
Colusa Irrigation Company	89.2R		0						204	235	187	258	57	0	941
Reclamation District No. 1004	89.25L		0						831	1,048	1,000	1,000	882	137	4,898
Roberts Ditch Irrigation Co., Inc.	90.7R		0						403	323	441	538	447	225	2,392
--STAGE STATION - SACRAMENTO RIVER AT COLUSA WEIR--	92.4L														
Lovvorn, Wilson M., et ux	93.15R		0						326	645	84	96	0	0	1,151
Wilbur, Roger C.	95.25L		84						362	333	296	450	94	146	1,765
Lewis, Jnan, et al	95.6L		628						654	733	781	499	163	200	3,658
Griffin, J. T., et al	95.75L		0						0	103	286	196	276	70	931
Griffin, J. T., et al	95.8L		0						0	524	34	328	57	0	943
Wells, Joyce	98.6L		13						174	347	356	211	262	142	1,505
Hunter Estate	98.6L		9						136	273	280	166	206	111	1,181
Sactane Mutual Water Company	99.25L		6						482	1,313	1,387	1,420	1,074	96	5,778
Forry, Helen May	99.8L		113						191	572	467	527	524	95	2,489
Forry, Helen May	100.0L		0						19	68	81	66	75	51	360
Colusa Properties, Inc.	101.8L		0						0	129	191	165	144	68	697
Carter, Robert E.	102.9L		0						0	0	0	0	0	0	0

TABLE B-6 (Continued)
MISCELLANEOUS DIVERSIONS - SACRAMENTO RIVER - SACRAMENTO TO RED BLUFF *

October 1971 through September 1972

WATER USER	MILE AND BANK	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET												TOTAL DIVERSION OCT.-SEPT. ACRE-FEET
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
--STAGE STATION - SACRAMENTO RIVER AT MOULTON WEIR--	103.6R														
Maxwell Irrigation District	103.8R		404						0	0	0	0	0	0	404
Zumwalt Orchards, Inc.	104.8L		15						56	85	70	46	37	61	370
Cannell, Fred, et al	106.0R		0						188	192	206	96	0	0	682
Reclamation District No. 1004	112.1L		2,540						5,917	10,027	7,924	7,586	5,994	2,786	44,774
Princeton-Codora-Glenn Irrigation District	112.4R		0						3,192	2,759	2,261	2,030	1,874	507	12,623
--GAGING STATION - SACRAMENTO RIVER AT BUTTE CITY--	115.8L														
Princeton-Codora-Glenn Irrigation District	123.9R		518						8,376	9,348	9,271	9,391	7,831	3,251	47,986
Provident Irrigation District	124.2R		1,670						9,086	7,203	8,825	7,654	4,597	547	39,582
Bertapelle, Joe, et ux	124.3R		0						0	0	0	0	--	--	--
--GAGING STATION - SACRAMENTO RIVER AT ORD FERRY--	130.8R														
M. & T., Incorporated	141.5L		298						1,043	2,594	4,086	6,662	5,870	1,719	22,272
--GAGING STATION - SACRAMENTO RIVER AT HAMILTON CITY--	149.5L														
Glenn-Colusa Irrigation District	154.8R		36,188						120,345	140,307	137,314	145,501	135,541	72,392	787,588
Provident Irrigation District	154.8R	Gravity	0						695	1,660	1,660	1,660	1,385	230	7,290
--RED BLUFF BRIDGE--	193.45														
SACRAMENTO RIVER, TOTAL DIVERSIONS			44,412						245,843	335,759	333,535	333,355	298,748	128,727	1,720,379

* All data furnished by the U. S. Bureau of Reclamation for October and the period April through September.

a Mile 19.6L Cross Canal. Distance from Sacramento River and bank are shown in parentheses.

TABLE B-6 (Continued)
DIVERSIONS - MOKELUMNE RIVER
October 1971 through September 1972

WATER USER	MILE AND BANK ABOVE NEW HOPE BRIDGE	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET												TOTAL DIVERSION OCT.-SEPT. ACRE-FEET
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
						BELOW WOODBRIDGE DAM									
Albin G. Steffan	8.7R	1-12						NO DIVERSION							
	10.6R	1-16	419	144		17	228	461	494	481	559	517	615	366	4,301
	12.7R	1-12	390	77			227	464	531	544	666	584	606	188	4,277
Cranston Vineyards a	12.7L	1-6						11	1	3					15
Mrs. Julie Blattler b	15.5R	1-4	7					3		19	13	12	19	7	80
W. G. Taddei	15.6R	1-6						13	37	11	40	28	28	8	165
Mrs. Rose J. Linde	16.8R	1-6						57	56	55	64	84	46		362
James Piazza	17.96R	1-6						17	58	42	42	14	47		220
Warren Hargrave	18.18L	1-7						34		19	40	17	29		139
--GAGING STATION - MOKELUMNE RIVER AT WOODBRIDGE--	19.2R														
--SACRAMENTO ROAD BRIDGE--	19.8														
--WOODBRIDGE IRRIGATION DISTRICT DAM--	19.9														
MOKELUMNE RIVER BELOW WOODBRIDGE DAM															
Totsl diversions			816	221		17	455	1,060	1,177	1,174	1,424	1,256	1,390	569	9,559
Average cubic feet per second			13	4			8	17	20	19	24	20	23	10	13

a Formerly listed as Valley Hi Inn, Inc.
b Formerly listed as C. Blattler
Note: All diversion data were furnished by the East Bay Municipal Utility District.

						WOODBRIDGE DAM TO CAMANCHE DAM									
--WOODBRIDGE IRRIGATION DISTRICT DAM--	19.9														
Woodbridge Irrigation District	19.9L	Gravity	7,820					5,440	11,450	16,690	19,150	20,270	18,380	10,140	109,340
Arthur J. Hoffman	21.85R	1-10	5					64	146	34	204	12	11	10	486
C. H. Fillhardt	22.1R	1-6								3		3	3		9
V. P. Sperling	22.5R	1-5						NO DIVERSION							
Robert Peters	23.03R	1-3	2						1	2	2	2	3	3	15
Cecil Mumbert	23.4R	1-4						20	43		20	40	23		146
Tillie D. Sanguinetti a	23.4L	1-3						NO DIVERSION							
--SOUTHERN PACIFIC RAILROAD BRIDGE--	23.6														
Occidental Petroleum Corp. b	24.0L	1-4						NO DIVERSION							
	24.12L	1-1 1/2						NO DIVERSION							
--HIGHWAY 99 BRIDGE--	24.2														
Marie Hallinan Estate a	24.45L	1-5						NO DIVERSION							
	24.5L	1-6						NO DIVERSION							
R. Vaccarezza	24.8L	1-5									14				14
Ray A. Mettler	25.2R	1-10						9	6	13	14	8	11		61
--CENTRAL CALIFORNIA TRACTION COMPANY BRIDGE--	25.6														
W. F. Johnson	26.3L	1-4						13	11	7	24	31	10		96
Richard Wagers	26.35L	1-2						1	3	2	2	2	1	1	12
Nakagawa Brothers	26.9R	1-5	1						1	51	28	22	34	4	141
Irene C. Burton c	27.5L	1-5						13	10	12	25	17	12		89
Rose Linde	27.6L	1-8						14	7	10	7	20	4		62
Cranston Vineyards d	27.9L	1-10							137	135	53				325
Frankie G. Dick e	28.59L	1-6								8		8	7		23
Nakagawa Brothers	28.6R	1-6	4					5	4	14	16	18	24	9	94
	28.71R	1-4							10	10	10	11	5		46
W. E. Melhaff	29.9R	1-8					37	14	18	6	38	19			132
Emil Bender	30.0L	1-10						16	6	5	9	9	3	4	52
--BRUELLA ROAD BRIDGE	30.0														
A. Knoll	30.13L	1-8									3	11			14
V. W. Hoffman	30.15L	1-8			11		1	63	14	15	47	44	22	9	226
Hugh Davis	30.35R	1-6						3	93	62	88	54	116	16	432
J. J. Schmiedt Estate	30.95L	1-7							70		65		2		137
Leon Kirschenmann	31.0L	1-8						77	20		26	41	5		169
V. W. Hoffman and Sons	31.45R	1-5						34	3	20	30	11	1		99

TABLE B-6 (Continued)
DIVERSIONS - MOKELUMNE RIVER
October 1971 through September 1972

WATER USER	MILE AND BANK ABOVE NEW HOPE BRIDGE	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET												TOTAL DIVERSION OCT.-SEPT. ACRE-FEET
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
			WOODBRIDGE DAM TO CAMANCHE DAM (Continued)												
Rosa D. Soucie	31.7L	1-5						47							47
John Graffigna Estate	31.8R	1-7						16	4	5	7	12	4		48
Lawrence Jones	32.29L	1-14						11	45						56
North San Joaquin Water Conservation District	32.3L	2-14 1-16 1-18	196					735	1,481	1,594	1,590	1,748	1,592	717	9,653
G. R. Kalange f	32.33R	1-6						14	53	7	7	7			88
William J. Lange	32.8R	1-1 1/2											1		1
Chester M. Locke	33.25L	1-10					5	56	93	46	97	129	37		463
Cranston Vineyards g	33.45R	1-8							35						35
	33.6R	1-8						56	60	21	30	38			205
Mokelumne North Irrigation Assn., Inc. h	33.69R							NO DIVERSION							
N. C. Locke	33.7L	1-12	1		1		228	29	22	92	135	215	119	3	845
T. and E. Schmierer	33.8R	1-4	3						12	12	17		9		53
U. S. Department of Agriculture a Soil Conservation Service	34.0L	1-8						NO DIVERSION							
Pritam Singh Dhaliwal	34.05R	1-4					2	17	3	2	7				31
Norman Knoll	34.1R	1-4						9	27	23	29	16	28		132
	34.3R	1-4						13	28	18	21	10	18		108
U. S. Department of Agriculture a Soil Conservation Service	34.34L	1-5						NO DIVERSION							
--ELLIOTT ROAD BRIDGE--	34.35														
J. Hull, J. Graham, and T. Hess	34.5R	1-4						NO DIVERSION							
R. Simmons and D. D. Jacobsen i	34.55L	1-10	2					42	40	33	66	47	39	60	329
Donald Smith	34.55L	1-1 1/2	1					1	1	1	2	1	2	1	10
Agri-Management j	34.6R	1-5						NO DIVERSION							
H. Bava, D. Panella, and Dr. Barkett	34.75L	1-16	30			2	1	63	16	39	121	101	75	27	475
Agri-Management j	35.14R	1-16							29	136	122	103	198	26	614
El Rio Vineyards k	35.15R	1-6	46												46
Grizzly Hill Ranch	35.2L	1-8	15	1	1	2	1	20	34	39	24	39	39	20	235
El Rio Vineyards h	35.31R	2-10									188	250	188		626
Manuel Machado	35.4L	1-8				18	39	21	8	19	63	24	64	5	261
El Rio Vineyards k	35.5R	1-8						NO DIVERSION							
R. D. Mehlhaff	35.7L	1-6	11	2		1	5	40	29	54	85	70	72	36	405
	35.7L	1-8						25	10						35
I. H. Quesenberry	35.9L	1-7				6	20				45	46	29	44	190
Ferdie F. Sievers	36.0L	1-6							24	27	19	22	5	26	123
El Rio Vineyards k	36.2R	1-6						NO DIVERSION							
Ossie Parker	36.45L	1-12						145	172		201	1	92		611
J. R. Widerrich, et al	36.75L	1-5							12	14	21	23	14	9	93
	37.15L	1-10						NO DIVERSION							
W. L. Moffat, et al	37.45R	1-8					40					41	41		122
	37.65L	1-10					25					31	49		105
Caterina Costa l	37.7R	1-12										11	12		23
Frank Lucchesi	38.0L	1-6					4			14	4	25			47
	38.1L	1-8					42			32	9	75			158
R. and R. Sutter	38.3L	1-10						35	36	89	2	75	51	33	321
N. and C. Locke	38.5L	1-12								37	180	83	92		392
Clementa Estate	39.0L	1-12	254	1				164	455	426	533	352	418	379	2,982
H. S. Magee Estate	39.25L	1-5	15						16	6	26	23	16		102
--OLD CLEMENTS BRIDGE--	39.3														
L. and T. Deluca	39.59L	1-4						8	22						30
Bill Wakeham m	39.6L	1-6	2	1				8	5	11	11	10	14	7	69
J. N. Henry	39.9R	1-6						NO DIVERSION							
Donald L. Ferrell	40.48L	1-2 1/2						18	18	23	19	16	20	5	119
Claude C. Wood Company	40.52L	1-6							13	9	3	23	31	3	82

TABLE B-6 (Continued)
DIVERSIONS - MOKELUMNE RIVER
October 1971 through September 1972

WATER USER	MILE AND BANK ABOVE NEW HOPE BRIDGE	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET												TOTAL DIVERSION OCT.-SEPT. ACRE-FEET
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
			WOODBRIDGE DAM TO CAMANCHE DAM (Continued)												
H. Ostermann	40.53L	1-6	10						1	54	19	32	44	30	190
C. and A. Mehrten	40.72L	1-6								14					14
Harry Mason n	40.83L	1-6	9					10	11	30	31	19	34		144
--HIGHWAY 88 BRIDGE--	41.00														
John Sutphin p	41.14L	1-3					10	7	15	11	10	15	8		76
C. Fukuhara and R. Nakashima	41.14R	1-2								3	7	2	3		15
		1-8								61	86	48	65	4	264
L. A. Rozzoni Estate	41.40L	1-10						NO DIVERSION							
Clarence Jones	42.11R	1-8	14					15	13	24	28	21	26	16	157
F. E. Blincoe, Jr. q	42.24L	1-2 1/2						NO DIVERSION							
George W. Beggs	42.64L	1-6						1	5	12	18	13	17	13	79
P. W. Olivera	42.66R	1-3	7						17	18	24	10	2		78
George W. Beggs	42.97L	1-4	7	2				5	6	16	15	10	15	7	83
	42.99L	1-8	11					10	27	26	33	24	85	89	305
--CAMANCHE RECORDER - MOKELUMNE RIVER BELOW CAMANCHE DAM--	43.00														
P. W. Olivera	43.15R	1-4	7						18	15	18	10	2		70
--CAMANCHE DAM--															
MOKELUMNE RIVER, WOODBRIDGE DAM TO CAMANCHE DAM															
Total diversions			8,473	7	13	29	460	7,427	14,969	20,212	23,848	24,524	22,347	11,756	134,065
Average cubic feet per second			138	0	0	0	8	121	252	329	401	399	363	198	185

a Pump removed
b Formerly listed as Western Republic Corporation
c Formerly listed as Irene C. Green
d Formerly listed as Cranston and Burnheiser
e Formerly listed as F. G. Dick and A. Proctor
f Formerly listed as R. Graffigna and A. Costa
g Formerly listed as Acampo Vineyards
h New installation in 1972
i Formerly listed as Robert Russell
j Formerly listed as K. E. and J. Beckman
k Formerly listed as Lincoln Chan
l Formerly listed as Maria Costa Estate
m Formerly listed as Mrs. Wakeham Clark
n Formerly listed as H. and E. Mason
p Formerly listed as P. and N. Wright
q Formerly listed as L. E. Putnam Estate

Note: Diversion data shown on this table are furnished by the East Bay Municipal Utility District, excepting the data for the Woodbridge Irrigation District, which were furnished by the U. S. Geological Survey. Monthly totals are computed by the Department.

TABLE B-7

DELIVERIES FROM FOLSOM AND NIMBUS RESERVOIRS
October 1971 through September 1972

Water User	Monthly Diversion in Acre-Feet												Total
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	
						AMERICAN RIVER							
Cordova Water Service and City of Folsom [a]													
Total acre-feet	1,778	1,828	1,656	1,551	1,436	1,777	1,619	2,109	1,992	1,875	1,978	2,095	21,694
Average cubic feet per second	29	31	27	25	25	29	27	34	33	30	32	35	30
Monthly quantities in percent of seasonal	8.2	8.4	7.6	7.2	6.6	8.2	7.5	9.7	9.2	8.6	9.1	9.7	
San Juan Suburban Water District [a]													
Total acre-feet	3,130	1,918	1,417	1,391	1,295	2,035	2,642	4,450	5,266	5,833	5,655	4,016	39,048
Average cubic feet per second	51	32	23	23	23	33	44	72	88	95	92	67	54
Monthly quantities in percent of seasonal	8.0	4.9	3.6	3.6	3.3	5.2	6.8	11.4	13.5	14.9	14.5	10.3	
State of California [a]													
Total acre-feet	94	79	66	62	74	77	70	106	133	123	131	91	1,106
Average cubic feet per second	2	1	1	1	1	1	1	2	2	2	2	2	2
Monthly quantities in percent of seasonal	8.5	7.1	6.0	5.6	6.7	7.0	6.3	9.6	12.0	11.1	11.9	8.2	

TABLE B-8

IMPORTATIONS INTO NORTHEASTERN CALIFORNIA
October 1971 through September 1972

Water User	Monthly Diversion in Acre-Feet												Total
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	
						TRINITY RIVER							
Clear Creek Powerplant [a]													
Total acre-feet	114,590	69,650	29,760	30,080	18,700	140,790	114,530	85,740	125,320	174,750	131,260	146,420	1,181,590
Average cubic feet per second	1,864	1,170	484	489	325	2,290	1,925	1,394	2,106	2,842	2,135	2,461	1,628
Monthly quantities in percent of seasonal	9.7	5.9	2.5	2.5	1.6	11.9	9.7	7.3	10.6	14.8	11.1	12.4	

TABLE B-9

EXPORTATIONS FROM NORTHEASTERN CALIFORNIA
October 1971 through September 1972

Water User	Monthly Diversion in Acre-Feet												Total
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	
						MOKELUMNE RIVER							
East Bay Municipal Utility District [b]													
Total acre-feet	18,973	18,136	18,718	18,582	17,279	18,646	20,889	21,974	21,306	25,044	24,804	20,899	245,250
Average cubic feet per second	309	305	304	302	300	303	351	357	358	407	403	351	338
Monthly quantities in percent of seasonal	7.7	7.4	7.6	7.6	7.1	7.6	8.5	9.0	8.7	10.2	10.1	8.5	
						PUTAH CREEK							
Putah South Canal [a]													
Total acre-feet	28,227	4,386	1,912	1,801	1,740	14,196	27,008	34,198	34,245	38,785	32,353	20,077	238,928
Average cubic feet per second	459	74	31	29	30	231	454	556	576	631	526	337	370
Monthly quantities in percent of seasonal	11.8	1.8	0.8	0.8	0.7	6.0	11.3	14.3	14.4	16.2	13.5	8.4	
						CACHE SLOUGH							
City of Vallejo [c]													
Total acre-feet	1,391	1,058	997	994	949	1,155	1,385	1,554	1,525	1,610	1,590	1,513	15,721
Average cubic feet per second	23	18	16	16	16	19	23	25	26	26	26	25	22
Monthly quantities in percent of seasonal	8.8	6.8	6.4	6.3	6.0	7.4	8.8	9.9	9.7	10.2	10.1	9.6	
						OLD RIVER							
Contra Costa Canal [a]													
Total acre-feet	7,273	5,054	5,631	4,076	4,034	5,780	9,541	13,105	13,623	11,137	13,210	11,534	103,998
Average cubic feet per second	118	85	92	66	70	94	161	213	229	181	215	194	143
Monthly quantities in percent of seasonal	7.0	4.8	5.4	3.9	3.9	5.6	9.2	12.6	13.1	10.7	12.7	11.1	
Delta-Mendota Canal [a]													
Total acre-feet	175,945	138,183	119,448	63,597	187,141	240,009	209,611	250,010	197,545	259,924	269,950	234,255	2,345,618
Average cubic feet per second	2,858	2,322	1,943	1,034	3,253	3,903	3,527	4,066	3,320	4,227	4,390	3,937	3,231
Monthly quantities in percent of seasonal	7.5	6.0	5.1	2.7	8.0	10.2	8.9	10.6	8.4	11.1	11.5	10.0	
						ITALIAN SLOUGH							
California Aqueduct													
Total acre-feet	52,325	34,309	23,204	32,858	25,656	160,070	155,997	124,548	97,147	35,942	135,109	167,967	1,045,132
Average cubic feet per second	851	577	377	534	446	2,603	2,622	2,026	1,633	585	2,197	2,823	1,440
Monthly quantities in percent of seasonal	5.0	3.3	2.2	3.2	2.5	15.3	14.9	11.9	9.3	3.4	12.9	16.1	

a Data furnished by U. S. Bureau of Reclamation.
b Data furnished by East Bay Municipal Utility District.
c Data furnished by City of Vallejo.

TABLE B-10

MAXIMUM AND MINIMUM GAGE HEIGHTS

This table contains the historical maximum and the annual maximum and minimum gage heights for selected stations formerly reported in the "Daily Mean Gage Heights" table.

Discharges corresponding to the reported maximum gage heights are included in the table. Due to possible changes in gage height-discharge relationships, the discharges may not be record or annual maximums. Discharges are rounded off in accordance with the procedures described in Table B-5, "Daily Mean Discharge".

Historic data include the location, period of record, gage height datum, and a brief description of each station.

TABLE B-10 (Continued)

MAXIMUM AND MINIMUM GAGE HEIGHTS

Station Name: SACRAMENTO RIVER AT KESWICK — Station Number A21010 — Water Year: 1972

Location: LAT 40 36 04 LONG 122 26 36 NW Sec 28 T32N R5W MDB&M — Period of Record: 1938 to DATE

Historic:	Maximum Gage Height:	*47.20	Discharge:	*186,000 cfs	Date: 2-28-40	Time:	Zero of Gage:	495.01 USCGS
		32.20		78,900 cfs	1-24-70			479.81 USCGS
Water Year:	Maximum Gage Height:	16.71	Discharge:	15,700 cfs	Date: 3-17-72	Time: 2245	Zero of Gage:	479.81 USCGS
	Minimum Gage Height:				Date:	Time:		

* - Prior to regulation by Shasta Lake

Station located 0.8 mile below Keswick Dam, 1.6 miles below Keswick. Flow regulated by Shasta Lake. Records furnished by USGS. Drainage area, excluding Goose Lake Basin, is approximately 6,468 square miles.

Station Name: SACRAMENTO RIVER ABOVE BEND BRIDGE NEAR RED BLUFF — Station Number: A02788 — Water Year: 1972

Location: LAT 40 17 19 LONG 122 11 08 NE Sec 15 T28N R3W MDB&M — Period of Record: 1967 to DATE

Historic:	Maximum Gage Height:	36.60	Discharge:	157,000 cfs	Date: 1-24-70	Time:	Zero of Gage:	0.00 Local
Water Year:	Maximum Gage Height:	13.47			Date: 2-29-72	Time: 0300	Zero of Gage:	0.00 Local
	Minimum Gage Height:	2.63			Date: 11-16-71	Time:		

Station located 2.7 miles upstream from Bend Bridge, 8.1 miles NE of Red Bluff. Records furnished by USGS. Drainage area is 8,900 square miles.

Station Name: SACRAMENTO RIVER AT VINA BRIDGE — Station Number: A02700 — Water Year: 1972

Location: LAT 39 54 34 LONG 122 05 31 NE Sec 28 T24N R2W MDB&M — Period of Record: 1945 to DATE

Historic:	Maximum Gage Height:	91.48	Discharge:	171,000 cfs	Date: 1-24-70	Time: 0530	Zero of Gage:	100.00 USED
Water Year:	Maximum Gage Height:	74.92	Discharge:	36,500 cfs	Date: 2-29-72	Time: 1200	Zero of Gage:	97.15 USCGS
	Minimum Gage Height:	66.28		6,180 cfs	Date: 11-17-71	Time: 0730		

Station located 250 feet above Vina-Corning Highway Bridge, 2.6 miles SW of Vina. The maximum discharge of record is for the main river channel and does not include water by-passing the station on the left bank. Flow regulated by Shasta Lake since December 30, 1943. Approximately 190,000 acre-feet diverted from the river between Keswick and Vina in addition to diversions from the tributaries. Transbasin diversions from the Trinity River to Whiskeytown Reservoir via Judge Francis Carr Powerplant began in April 1963. Drainage area, excluding Goose Lake Basin, is approximately 10,930 square miles.

Station Name: SACRAMENTO RIVER AT HAMILTON CITY — Station Number: A02630 — Water Year: 1972

Location: LAT 39 45 07 LONG 121 59 43 NE Sec 20 T22N R1W MDB&M — Period of Record: 1927 to DATE

Historic:	Maximum Gage Height:	*22.60	Discharge:	350,000 E cfs	Date: 2-28-40	Time:	Zero of Gage:	127.9 USED
		50.77		156,000 cfs	1-24-70			100.0 USED
Water Year:	Maximum Gage Height:	34.96	Discharge:	32,700 cfs	Date: 2-29-72	Time: 1545	Zero of Gage:	96.5 USCGS
	Minimum Gage Height:	28.10		6,240 cfs	Date: 11-17-71	Time: 1200		

* - Prior to regulation by Shasta Lake

Station located at Gianella Bridge, State Highway 32, 1.0 mile NE of Hamilton City. The maximum discharges of record since February 1940 are for the main river channel and do not include water by-passing the station on the left bank. Flow regulated by Shasta Lake since December 30, 1943. Approximately 950,000 acre-feet diverted from the river between Keswick and Hamilton City in addition to diversions from the tributaries. Transbasin diversions from the Trinity River to Whiskeytown Reservoir via Judge Francis Carr Powerplant began in April 1963. Drainage area, excluding Goose Lake Basin, is approximately 11,060 square miles.

Station Name: SACRAMENTO RIVER AT ORD FERRY — Station Number: A02570 — Water Year: 1972

Location: LAT 39 37 39 LONG 121 59 28 SE Sec 32 T21N R1W MDB&M — Period of Record: #1921 to DATE

Historic:	Maximum Gage Height:	121.70	Discharge:	370,000 cfs	Date: 2-28-40	Time:	Zero of Gage:	0.00 USED
Water Year:	Maximum Gage Height:	52.80	Discharge:	26,900 cfs	Date: 3-4-72	Time: 0845	Zero of Gage:	50.00 USED
	Minimum Gage Height:	46.37		6,190 cfs	Date: 11-17-72	Time: 1630		

\# - 1921 to 1941 Flood season only

Station located 0.1 mile below Ord Ferry. Records of flows in excess of 70,000 cubic feet per second are not reliable due to an undetermined amount of water by-passing the station via Butte Basin. Flow regulated by Shasta Lake since December 30, 1943. Approximately 980,000 acre-feet diverted from the river between Keswick and Ord Ferry in addition to diversions from the tributaries. Transbasin diversions from the Trinity River to Whiskeytown Reservoir via Judge Francis Carr Powerplant began in April 1963. Drainage area, excluding Goose Lake Basin, is approximately 12,480 square miles.

Station Name: SACRAMENTO RIVER AT BUTTE CITY — Station Number: A02500 — Water Year: 1972

Location: LAT 39 27 28 LONG 121 59 35 NE Sec 32 T19N R1W MDB&M — Period of Record: 1929 to DATE

Historic:	Maximum Gage Height:	96.87	Discharge:	170,000 cfs	Date: 2-7-42	Time:	Zero of Gage:	0.00 USED
Water Year:	Maximum Gage Height:	78.04	Discharge:	27,500 cfs	Date: 3-1-72	Time: 0030	Zero of Gage:	0.00 USED
	Minimum Gage Height:				Date:	Time:		

Station located at highway bridge, 0.5 mile S of Butte City. Maximum discharge of record listed is for period 1940 to date. Records furnished by USGS.

* - Prior to regulation by Shasta Lake

TABLE B-10 (Continued)

MAXIMUM AND MINIMUM GAGE HEIGHTS

Station Name: SACRAMENTO RIVER AT COLUSA — Station Number: A02420 — Water Year: 1972

Location: LAT 39 12 51 LONG 121 59 57 NW Sec 29 T16N R1W MDB&M — Period of Record: 1919 to DATE

Historic:	Maximum Gage Height:	*69.20	Discharge: 49,000 cfs	Date: 2-8-42	Time:	Zero of Gage:	0.00 USED
		67.07	43,900 cfs	1-7-65			-3.0 USCGS
Water Year:	Maximum Gage Height:	56.36	Discharge: 24,900 cfs	Date: 3-5-72	Time: 0430	Zero of Gage:	-3.0 USCGS
	Minimum Gage Height:			Date:	Time:		

* - Prior to regulation by Shasta Lake

Station located just below bridge at Colusa. Maximum discharge of record listed is for period 1938 to date. Records furnished by USGS. Drainage area 12,096 square miles.

Station Name: CHEROKEE CANAL NEAR RICHVALE — Station Number: A02984 — Water Year: 1972

Location: LAT 39 27 53 LONG 121 44 37 NW Sec 34 T19N R2E MDB&M — Period of Record: 1960 to DATE

Historic:	Maximum Gage Height:	13.80	Discharge: 15,200 E cfs	Date: 10-13-62	Time:	Zero of Gage:	88.20 USCGS
Water Year:	Maximum Gage Height:	6.91	Discharge: 1,100 cfs	Date: 1-27-72	Time: 1600	Zero of Gage:	88.20 USCGS
	Minimum Gage Height:	1.98	1.5 cfs	Date: 10-19-71	Time: 2215		

Station located at Butte City Road Bridge, 2.1 miles S of Richvale. Backwater from Cherokee Dam weir, 1.05 miles below station, at times affects the stage-discharge relationship. Weir has 13 bays and is operated by the Richvale Irrigation District.

Station Name: SACRAMENTO RIVER BELOW WILKINS SLOUGH — Station Number: A02280 — Water Year: 1972

Location: LAT 39 00 36 LONG 121 49 25 NE Sec 2 T13N R1E MDB&M — Period of Record: 1931 to DATE

Historic:	Maximum Gage Height:	*51.41	Discharge: 28,900 cfs	Date: 2-27-48	Time:	Zero of Gage:	0.00 USED
		50.72	27,300 cfs	1-26-70			-3.00 USCGS
Water Year:	Maximum Gage Height:	44.93	Discharge: 24,700 cfs	Date: 3-5-72	Time: 1830	Zero of Gage:	-3.00 USCGS
	Minimum Gage Height:			Date:	Time:		

* - Prior to regulation by Shasta Lake

Station located 0.3 mile below Wilkins Slough Pumping Plant of Reclamation District 108, 1.3 miles below Tisdale Weir, 6 miles SE of Grimes. Maximum discharge of record listed is for period 1938 to date. Records furnished by USGS.

Station Name: COLUSA BASIN DRAIN AT HIGHWAY 20 — Station Number: A02976 — Water Year: 1972

Location: LAT 31 11 44 LONG 122 03 34 NE Sec 34 T16N R2W MDB&M — Period of Record: ϑ1924 to DATE

Historic:	Maximum Gage Height:	51.93	Discharge:	Date: 2-21-58	Time:	Zero of Gage:	0.00 USED
		50.96	5,120 cfs	2-18-69			
Water Year:	Maximum Gage Height:	45.14	Discharge: 1,520 cfs	Date: 5-22-72	Time: 2130	Zero of Gage:	0.00 USED
	Minimum Gage Height:	37.60	59.0 cfs	Date: 4-22-72	Time: 2015		

ϑ - 1924 to 1940 Irrigation season only

Station located at State Highway 20 Bridge, 3.0 miles W of Colusa.

Station Name: COLUSA BASIN DRAIN AT KNIGHTS LANDING — Station Number: A02945 — Water Year: 1972

Location: LAT 38 47 58 LONG 121 43 27 SW Sec 14 T11N R2E MDB&M — Period of Record: ϑ1924 to DATE

Historic:	Maximum Gage Height:	36.8	Discharge:	Date: 2-10-42	Time:	Zero of Gage:	0.00 USED
Water Year:	Maximum Gage Height:	NR	Discharge: NR	Date:	Time:	Zero of Gage:	0.00 USED
	Minimum Gage Height:	NR	Discharge: NR	Date:	Time:		

ϑ - 1924 to 1940 Irrigation season only

Station located at Knights Landing Outfall Gates, 0.3 mile W of Knights Landing. Tributary to Sacramento River. Flow regulated by outfall gates. An undetermined amount of flow is diverted to Yolo Bypass via Ridge Cut at Knights Landing. For total flow to Sacramento River, combine with the flows of Reclamation District 787 to Colusa Basin Drain.

Station Name: SACRAMENTO RIVER AT KNIGHTS LANDING — Station Number: A02200 — Water Year: 1972

Location: LAT 38 48 11 LONG 121 42 55 NE Sec 14 T11N R2E MDB&M — Period of Record: 1919 to DATE

Historic:	Maximum Gage Height:	41.83	Discharge:	Date: 2-8-42	Time:	Zero of Gage:	-3.02 USCGS
Water Year:	Maximum Gage Height:	29.29	Discharge: 24,500 cfs	Date: 3-6-72	Time: 0230	Zero of Gage:	-3.02 USCGS
	Minimum Gage Height:			Date:	Time:		

Station located just above the Southern Pacific Railroad Bridge, 13.1 miles above Feather River immediately NE of Knights Landing. Station affected by backwater from Feather River and Sutter Bypass during periods of high flow. Maximum discharge of record listed is for period 1940 to date. Records furnished by USGS. Drainage area 14,541 square miles.

TABLE B-10 (Continued)

MAXIMUM AND MINIMUM GAGE HEIGHTS

Station Name: BUTTE SLOUGH NEAR MERIDIAN — Station Number: A02972 — Water Year: 1972

Location: LAT 39 10 05 LONG 121 53 28 NE Sec 7 T15N R1E MDB&M — Period of Record: #1934 to DATE

Historic:	Maximum Gage Height:	Discharge:	Date:	Time:	Zero of Gage: 0.00 USED
Water Year:	Maximum Gage Height: 45.44	Discharge: 936 cfs	Date: 1-25-72	Time: 1945	Zero of Gage: 0.00 USED
	Minimum Gage Height: 39.61	97.0 cfs	Date: 11-3-71	Time: 1200	

- 1934 to 1937 Flood season only

Station located on right bank 0.5 mile upstream from Farmland Road, 1.7 miles NE of Meridian. Tributary to Sutter Bypass. Flow effected by gate operation. Flow during summer months is made up almost entirely of return water from land irrigated by Feather River diversions. During flood periods, Sacramento River water enters Butte Basin above Butte City from bank spill and spill over Moulton and Colusa Weirs.

Station Name: WADSWORTH CANAL NEAR SUTTER — Station Number: A05929 — Water Year: 1972

Location: LAT 39 09 12 LONG 121 44 00 NE Sec 15 T15N R2E BDB&M — Period of Record: 1961 to DATE

Historic:	Maximum Gage Height: 53.62	Discharge:	Date: 1-26-70	Time:	Zero of Gage: 0.00 USED
Water Year:	Maximum Gage Height: 42.64	Discharge:	Date: 9-11-72	Time: 1300	Zero of Gage: 0.00 USED
	Minimum Gage Height:		Date:	Time:	

Station located at South Butte Road Bridge, 0.9 mile E of Sutter. Tributary to Sutter Bypass. This station and one 2.2 miles downstream are used to determine the slope for rating of canal. Records for January 1939 to March 1961 previously published as Wadsworth Canal at Butte House Road.

Station Name: YUBA RIVER NEAR MARYSVILLE — Station Number: A06150 — Water Year: 1972

Location: LAT 39 10 33 LONG 121 31 26 — Period of Record: 1940 to DATE

Historic:	Maximum Gage Height: 90.15	Discharge: 180,000 cfs	Date: 12-22-64	Time:	Zero of Gage: -2.95 USCGS
Water Year:	Maximum Gage Height: 64.43	Discharge:	Date: 12-25-71	Time: 0100	Zero of Gage: -2.95 USCGS
	Minimum Gage Height:		Date:	Time:	

Station located 5 miles below Dry Creek, 4.2 miles northeast of Marysville. Maximum discharge listed for period 1943 to date. Records furnished by U. S. Geological Survey. Drainage area is 1,339 square miles.

Station Name: BEAR RIVER NEAR WHEATLAND — Station Number: A06550 — Water Year: 1972

Location: LAT 39 00 01 LONG 121 24 21 SW Sec 3 T13N R5E MDB&M — Period of Record: 1928 to DATE

Historic:	Maximum Gage Height: 19.30	Discharge: 33,000 cfs	Date: 12-22-55	Time:	Zero of Gage: 78.92 USCGS
Water Year:	Maximum Gage Height: 9.97	Discharge: 3,380 cfs	Date: 2-25-72	Time: 1800	Zero of Gage: 71.92 USCGS
	Minimum Gage Height:		Date:	Time:	

Station located 100 feet below U. S. Highway 99E bridge, 1 mile southeast of Wheatland. Tributary to Feather River. Flow regulated by Camp Far West Reservoir. Records furnished by U. S. Geological Survey. Drainage area is 292 square miles.

Station Name: AMERICAN RIVER AT FAIR OAKS — Station Number: A07175 — Water Year: 1972

Location: LAT 38 38 08 LONG 121 13 36 NE Sec 17 T9N R7E MDB&M — Period of Record: 1904 to DATE

Historic:	Maximum Gage Height: 31.85	Discharge: 180,000 cfs	Date: 11-21-50	Time:	Zero of Gage: 64.79 USCGS
Water Year:	Maximum Gage Height: 8.89	Discharge: 6,060 cfs	Date: 2-9-72	Time: 1500	Zero of Gage: 71.53 USCGS
	Minimum Gage Height:		Date:	Time:	

Station located 2,100 feet below Nimbus Dam, 2.4 miles east of Fair Oaks. Flow regulated by Folsom Lake. Maximum discharge listed at site and datum then in use. Records furnished by U. S. Geological Survey. Drainage area is 1,888 square miles.

Station Name: CACHE CREEK AT YOLO — Station Number A08125 — Water Year: 1972

Location: LAT 38 43 31 LONG 121 48 22 — Period of Record: 1903 to DATE

Historic:	Maximum Gage Height: 35.11	Discharge: 41,400 cfs	Date: 2-25-58	Time:	Zero of Gage: 52.27 USCGS
Water Year:	Maximum Gage Height: 52.13	Discharge: 922 cfs	Date: 12-27-71	Time: 1115	Zero of Gage: 0.00 USCGS
	Minimum Gage Height:		Date:	Time:	

Station located 800 feet above U. S. Highway 99W bridge, 0.5 mile south of Yolo. Tributary to Yolo Bypass. Maximum discharge listed at present datum. Records furnished by U. S. Geological Survey. Drainage area is 1,139 square miles.

TABLE B-10 (CONTINUED)

MAXIMUM AND MINIMUM GAGE HEIGHTS

Station Name: YOLO BYPASS NEAR WOODLAND — Station Number: A02935 — Water Year: 1972

Location: LAT 38 40 40 LONG 121 38 35 SE Sec 28 T10N R3E MBD&M — Period of Record: 1939 to DATE

Historic:	Maximum Gage Height: 32.00	Discharge: 272,000 cfs	Date: 2-8-42	Time:	Zero of Gage: -3.41 USCGS
Water Year:	Maximum Gage Height: 12.39	Discharge: 448 cfs	Date: 2-7-72	Time: 1800	Zero of Gage: -3.41 USCGS
	Minimum Gage Height:		Date:	Time:	

Station located just above the Sacramento-Woodland Railroad Bridge, 6 miles above the Sacramento Bypass, 7 miles below Fremont Weir, 7 miles east of Woodland. Supplementary water stage recorder, located 7 miles downstream, used for computations during periods of low flow. Stage-discharge relationship at supplementary recorder location at times affected by tidal action. Records furnished by U. S. Geological Survey.

Station Name: PUTAH CREEK NEAR WINTERS — Station Number: A91250 — Water Year: 1972

Location: LAT 38 30 55 LONG 122 04 51 NE Sec 28 T8N R2W MDB&M — Period of Record: 1930 to DATE

Historic:	Maximum Gage Height: 30.50	Discharge: 81,000 cfs	Date: 2-27-40	Time:	Zero of Gage: 160.75 USCGS
Water Year:	Maximum Gage Height: 8.22	Discharge: 757 cfs	Date: 7-16-72	Time: 1000	Zero of Gage: 160.75 USCGS
	Minimum Gage Height:		Date:	Time:	

Station located 1.3 miles below Monticello Dam, 6 miles west of Winters. Flow regulated by Lake Berryessa. Maximum discharge listed at present datum. Records furnished by U. S. Geological Survey. Drainage area is 574 square miles.

Station Name: MOKELUMNE RIVER AT WOODBRIDGE — Station Number: B02105 — Water Year: 1972

Location: LAT 38 09 31 LONG 121 18 09 NE Sec 34 T4N R6E MDB&M — Period of Record: 1924 to DATE

Historic:	Maximum Gage Height: 29.58	Discharge: 27,000 cfs	Date: 11-22-50	Time:	Zero of Gage: 14.90 USCGS
Water Year:	Maximum Gage Height: 13.64	Discharge:	Date: 10-30-71	Time: 1130	Zero of Gage: 14.90 USCGS
	Minimum Gage Height:		Date:	Time:	

Station located 0.3 mile below county highway bridge, 0.4 mile below dam and canal intake of Woodbridge Irrigation District. Flow regulated by reservoirs and powerplants. Records furnished by U. S. Geological Survey. Drainage area is 661 square miles.

Station Name: COSUMNES RIVER AT MICHIGAN BAR — Station Number: B11150 — Water Year: 1972

Location: LAT 38 30 01 LONG 121 02 39 SE Sec 36 T8N R8E MDB&M — Period of Record: 1907 to DATE

Historic:	Maximum Gage Height: 14.59	Discharge: 42,000 cfs	Date: 12-23-55	Time:	Zero of Gage: 168.09 USCGS
Water Year:	Maximum Gage Height: 6.40	Discharge: 3,840 cfs	Date: 12-25-71	Time: 1500	Zero of Gage: 168.09 USCGS
	Minimum Gage Height:		Date:	Time:	

Station located on highway bridge, 5.5 miles southwest of Latrobe. Flow partly regulated by Jenkinson Lake. Records furnished by the U. S. Geological Survey. Drainage area is 536 square miles.

Station Name: COSUMNES RIVER AT MCCONNELL — Station Number: B01125 — Water Year: 1972

Location: LAT 38 21 29 LONG 121 20 34 SW Sec 20 T6N R6E MDB&M — Period of Record: 1941 to DATE

Historic:	Maximum Gage Height: 46.26	Discharge: 54,000 cfs	Date: 12-23-55	Time:	Zero of Gage: -3.34 USCGS
Water Year:	Maximum Gage Height: 38.97	Discharge: 4,170 cfs	Date: 12-25-71	Time: 2200	Zero of Gage: -3.34 USCGS
	Minimum Gage Height:		Date:	Time:	

Station located on U. S. Highway 99 bridge, 0.2 mile south of McConnell, 7.0 miles north of Galt. Maximum discharge of record listed is for period 1943 to date. Records furnished by U. S. Geological Survey. Drainage area is 724 square miles.

TABLE B-11 (CONT.)
DAILY MEAN GAGE HEIGHT
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1972	A02445	SACRAMENTO RIVER AT MOULTON WEIR

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1													1
2													2
3													3
4													4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12													12
13													13
14													14
15													15
16													16
17													17
18													18
19													19
20													20
21													21
22													22
23													23
24													24
25													25
26													26
27													27
28													28
29													29
30													30
31													31

GAGE HEIGHT DID NOT EXCEED CREST OF WEIR (76.75) ENTIRE YEAR

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 20 18	122 01 18	SE12 17N 2W		83.8	2/7/42	JAN 40-DATE #	JAN 35-DATE #	1935		0.00	USED

Station located west of south end of weir, 4.6 mi. S of Princeton. Gage heights below weir crest (elevation 76.75 ft.) are not tabulated.

A - Mean gage height for period of flow.
- Flood season only.

TABLE B-11 (CONT.)
DAILY MEAN GAGE HEIGHT
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1972	A02450	SACRAMENTO RIVER OPPOSITE MOULTON WEIR

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	59.06	57.00	58.06	58.41	59.37	65.20	57.43	58.29	57.64	59.07	57.85	57.01	1
2	58.75	56.94	57.91	58.32	59.25	62.14	57.50	58.33	57.77	59.11	57.81	56.87	2
3	58.79	56.90	57.95	58.26	59.13	62.01	57.80	58.04	57.84	59.15	57.77	56.69	3
4	58.75	56.96	58.18	58.19	59.05	66.14	57.93	58.06	57.77	59.16	57.76	56.70	4
5	58.74	56.87	58.30	58.14	59.14	66.18	57.86	58.01	57.78	58.82	57.55	56.71	5
6	58.70	56.88	58.05	58.09	59.45	65.44	58.58	58.33	57.75	58.67	57.27	56.71	6
7	58.63	56.89	58.11	58.06	59.72	64.74	59.66	58.46	57.76	58.54	57.17	56.70	7
8	58.65	56.88	58.07	58.03	59.64	64.11	59.21	58.53	57.77	58.55	57.13	56.69	8
9	58.36	56.85	57.99	58.02	59.37	63.77	58.96	58.67	57.85	58.58	57.09	56.77	9
10	58.04	56.88	57.96	57.98	59.19	63.49	58.72	58.51	58.03	58.57	57.08	56.71	10
11	57.93	56.94	57.95	57.98	59.09	63.53	58.57	58.33	58.31	58.58	57.11	56.66	11
12	57.73	57.08	57.95	57.94	59.00	63.56	58.85	58.12	58.16	58.61	57.07	56.77	12
13	57.59	57.28	58.20	57.74	58.77	63.37	59.94	57.96	58.10	58.50	57.11	56.85	13
14	57.47	57.38	58.30	57.54	58.55	63.12	59.90	57.94	58.00	58.57	57.09	56.78	14
15	57.33	57.36	57.99	57.51	58.48	62.90	59.19	57.91	57.96	58.34	57.10	56.72	15
16	57.22	57.15	57.98	57.51	58.27	62.59	58.88	57.96	57.88	58.24	57.10	56.65	16
17	57.10	56.95	57.95	57.51	57.98	62.71	58.71	57.91	57.87	58.13	57.14	56.56	17
18	56.94	57.27	57.91	57.50	57.92	62.90	58.47	57.94	58.03	57.92	57.10	56.58	18
19	56.90	57.52	57.91	57.50	57.88	62.89	58.15	57.94	58.20	57.86	57.20	57.03	19
20	56.92	57.56	57.89	57.60	57.83	61.55	58.33	57.99	58.24	57.82	57.14	57.46	20
21	56.96	57.54	57.88	57.83	57.84	59.20	58.36	58.31	58.07	57.79	57.07	57.32	21
22	56.96	57.52	58.18	59.08	57.93	58.33	58.43	58.59	58.17	57.80	57.06	56.80	22
23	56.98	57.52	62.64	61.32	58.00	58.52	58.66	58.43	58.45	57.78	57.02	56.59	23
24	56.99	57.52	60.43	63.30	58.53	59.04	58.70	58.35	58.63	57.86	56.99	56.47	24
25	57.02	57.54	59.99	60.73	60.19	58.42	58.78	58.26	58.65	57.86	56.98	56.48	25
26	57.02	57.58	60.17	59.91	59.54	58.80	58.51	58.16	58.67	57.82	56.99	56.50	26
27	56.88	57.65	59.70	59.84	60.64	58.41	58.03	58.02	58.69	57.82	57.00	56.69	27
28	56.89	57.82	59.48	59.91	60.04	58.12	57.87	57.94	58.61	57.82	57.03	57.09	28
29	56.87	58.19	58.94	59.55	61.84	57.91	57.90	57.86	58.92	57.87	56.99	57.06	29
30	56.95	58.43	58.66	59.49		57.71	58.15	57.82	59.07	57.88	57.06	56.92	30
31	56.98		58.55	59.47		57.54		57.71		57.90	57.01		31

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
3-4-72	1515	66.58									

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 20 13	122 01 50	SW12 17N 2W		85.5 83.0	2/ 7/42 12/24/64	MAR 54-DATE 8	OCT 22-MAY 40 # JUL 40-JUL 41 NOV 41-JUL 43 # OCT 43-DATE			0.00	USED

Station located immediately W of weir, 4.8 mi. S of Princeton.

8 - Irrigation season only.
- Flood season only.

TABLE B-11 (CONT.)
DAILY MEAN GAGE HEIGHT
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1972	A02430	SACRAMENTO RIVER AT COLUSA WEIR

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1													1
2													2
3													3
4													4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12													12
13													13
14													14
15				GAGE HEIGHT DID NOT EXCEED CREST OF WEIR (61.80) ENTIRE YEAR									15
16													16
17													17
18													18
19													19
20													20
21													21
22													22
23													23
24													24
25													25
26													26
27													27
28													28
29													29
30													30
31													31

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 14 12	121 59 38	SE17 16N 1W		70.6	3/1/40	JAN 40-DATE #	JAN 35-DATE #	1935		0.00	USED

Station located at north end of weir, 2.0 mi. N of Colusa. Gage heights below weir crest (elevation 61.80 ft.) are not tabulated.

A - Mean gage height for period of flow.
- Flood season only.

TABLE B-11 (CONT.)
DAILY MEAN GAGE HEIGHT
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1972	A02301	SACRAMENTO RIVER AT TISDALE WEIR

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1													1
2													2
3													3
4													4
5						45.59 A							5
6						45.56 A							6
7													7
8													8
9													9
10													10
11													11
12													12
13													13
14													14
15													15
16													16
17													17
18													18
19													19
20													20
21													21
22													22
23													23
24													24
25													25
26													26
27													27
28													28
29													29
30													30
31													31

A - Mean gage height for partial day of flow.

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
3-5-72	2345	45.65									

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 01 36	121 49 16	NE35 14N 1E		53.3	3/ 1/40	JAN 40-DATE #	JAN 35-DATE #	1935		0.00	USED

Station located west of north end of weir, 5.0 mi. SE of Grimes. Gage heights below weir crest (elevation 45.45 ft.) are not tabulated.

- Flood season only.

TABLE B-11 (CONT.)
DAILY MEAN GAGE HEIGHT
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1972	A02927	SUTTER BYPASS AT RECLAMATION DISTRICT 1500 PUMPING PLANT

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	17.23	14.51	17.36	18.63	18.28	21.06	14.37	14.29	13.97	16.01	15.57	15.74	1
2	17.15	14.56	17.24	18.10	18.92	22.56	14.31	14.09	14.12	16.14	15.62	15.86	2
3	16.86	14.56	17.25	17.52	18.50	21.37	14.50	13.85	14.29	16.14	15.64	16.02	3
4	16.79	14.61	17.23	17.00	17.55	20.24	14.74	13.53	14.57	16.05	15.48	15.91	4
5	16.70	14.60	17.23	16.72	17.29	21.66	14.77	13.55	14.58	15.74	15.06	15.93	5
6	16.86	14.61	17.32	16.53	17.72	22.39	14.73	14.09	14.62	15.30	14.99	16.06	6
7	16.64	14.68	17.11	16.42	18.54	22.19	15.09	14.77	14.65	14.99	14.86	16.23	7
8	16.62	14.58	17.02	16.28	18.43	21.80	15.95	15.31	14.65	14.76	14.78	16.30	8
9	16.41	14.63	17.05	16.24	19.35	21.31	16.11	15.63	14.64	14.81	14.78	16.56	9
10	16.30	14.73	16.96	16.13	21.08	20.97	15.97	15.61	14.90	14.93	15.02	16.79	10
11	15.94	14.77	17.02	16.17	20.54	20.66	15.70	15.57	15.19	14.93	15.21	16.78	11
12	15.92	15.14	17.00	16.07	18.14	20.61	15.69	15.35	15.64	15.06	15.35	17.14	12
13	15.87	15.39	17.10	15.96	17.15	20.65	15.93	15.15	15.81	14.91	15.40	17.40	13
14	15.59	15.54	17.19	15.90	16.87	20.36	16.71	15.40	15.74	14.71	15.42	17.41	14
15	15.48	15.58	17.42	15.70	16.48	20.08	16.73	15.36	15.34	14.78	15.43	17.23	15
16	15.19	15.41	17.20	15.61	16.30	19.84	16.26	15.28	15.09	14.77	15.50	17.16	16
17	14.99	15.40	17.08	15.75	16.08	19.82	15.68	15.17	14.90	14.67	15.49	16.93	17
18	14.95	15.45	17.04	15.80	15.89	19.67	15.16	15.05	14.83	14.55	15.62	16.65	18
19	14.78	15.84	16.91	15.99	15.70	19.47	14.70	15.01	14.70	14.50	15.87	16.06	19
20	14.84	16.34	16.92	16.41	15.26	19.44	14.05	15.06	14.85	14.47	15.99	15.73	20
21	14.77	16.49	16.88	16.26	15.07	18.69	13.59	15.87	14.66	14.52	15.96	15.88	21
22	14.81	16.50	17.12	16.11	15.13	17.11	13.32	16.48	14.24	14.97	15.98	15.83	22
23	14.84	16.53	18.02	16.70	15.21	15.91	13.42	17.12	14.50	15.34	16.12	15.60	23
24	14.86	16.59	20.25	18.53	15.97	15.62	13.76	17.13	14.83	15.50	16.25	15.68	24
25	14.75	16.53	20.93	19.93	17.73	16.21	13.80	16.81	15.08	15.65	16.12	15.53	25
26	14.79	16.51	21.55	19.20	20.43	16.03	13.95	16.21	15.38	15.68	15.91	15.66	26
27	14.77	16.67	21.36	18.49	21.13	15.96	13.65	15.61	15.42	15.57	16.00	15.98	27
28	14.69	16.73	21.36	18.41	21.08	15.85	13.01	15.21	15.54	15.43	15.92	16.09	28
29	14.64	16.93	20.88	18.82	20.34	15.54	12.90	14.91	15.58	15.36	15.99	16.17	29
30	14.54	17.13	20.12	18.62		15.23	13.70	14.71	15.71	15.49	15.92	16.05	30
31	14.57		19.36	18.19		14.85		14.36		15.61	15.81		31

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
3/2/72	1200	22.70									

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
							1915 - DATE			0.00	USED

Station located on west levee, 3.7 mi. SE of Knights Landing.

TABLE B-11 (CONT.)
DAILY MEAN GAGE HEIGHT
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1972	A02170	SACRAMENTO RIVER AT FREMONT WEIR, WEST END

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	18.89	16.00	18.75	19.93	19.82	23.04	15.93	15.70	14.76	17.37	16.54	16.56	1
2	18.82	16.05	18.57	19.44	20.28	24.88	15.88	15.43	14.85	17.50	16.58	16.67	2
3	18.49	16.02	18.57	18.98	19.96	23.34	15.88	15.18	15.04	17.56	16.57	16.76	3
4	18.36	16.03	18.61	18.50	19.18	22.73	16.22	14.77	15.45	17.51	16.48	16.60	4
5	18.30	16.03	18.66	18.22	18.95	24.79	16.31	14.82	15.51	17.27	16.19	16.59	5
6	18.39	16.01	18.74	18.03	19.24	25.41	16.41	15.34	15.53	16.84	16.03	16.66	6
7	18.25	16.05	18.55	17.93	20.00	25.07	16.96	16.16	15.52	16.49	15.71	16.83	7
8	18.19	16.01	18.47	17.84	20.01	24.59	18.09	16.64	15.54	16.29	15.63	17.01	8
9	18.09	16.04	18.50	17.74	20.69	24.06	18.05	16.87	15.49	16.29	15.61	17.25	9
10	17.91	16.07	18.37	17.68	22.09	23.73	17.64	16.98	15.76	16.36	15.81	17.52	10
11	17.52	16.11	18.37	17.67	21.59	23.39	17.33	16.96	16.06	16.37	15.98	17.47	11
12	17.39	16.49	18.33	17.62	19.62	23.39	17.25	16.61	16.45	16.46	16.10	17.63	12
13	17.36	16.74	18.47	17.54	18.79	23.35	17.54	16.40	16.59	16.34	16.17	17.92	13
14	17.01	17.00	18.56	17.37	18.45	23.07	18.61	16.45	16.56	16.19	16.15	18.08	14
15	16.92	17.06	18.78	17.21	18.11	22.75	18.63	16.43	16.33	16.18	16.15	17.98	15
16	16.63	16.94	18.54	17.09	17.92	22.48	17.90	16.31	15.97	16.08	16.18	17.90	16
17	16.44	16.81	18.43	17.17	17.70	22.29	17.22	16.27	15.80	15.93	16.23	17.72	17
18	16.33	16.74	18.39	17.28	17.41	22.18	16.82	16.12	15.78	15.75	16.37	17.41	18
19	16.15	17.11	18.25	17.48	17.28	22.17	16.50	16.04	15.81	15.64	16.55	16.98	19
20	16.19	17.63	18.23	17.66	16.92	22.13	15.80	16.11	16.06	15.59	16.72	16.87	20
21	16.17	17.77	18.22	17.65	16.74	21.06	15.39	16.66	15.99	15.60	16.66	17.14	21
22	16.16	17.78	18.40	17.62	16.75	18.79	15.05	17.32	15.59	15.96	16.60	17.07	22
23	16.25	17.80	19.41	18.63	16.89	17.46	15.13	17.92	15.78	16.28	16.76	16.71	23
24	16.23	17.81	22.13	20.85	17.46	17.31	15.42	18.00	16.17	16.42	16.90	16.71	24
25	16.17	17.80	22.31	22.36	19.04	17.91	15.38	17.64	16.52	16.54	16.84	16.58	25
26	16.20	17.76	22.70	21.18	21.66	17.68	15.53	17.01	16.72	16.60	16.60	16.67	26
27	16.20	17.95	22.57	20.27	22.26	17.67	15.20	16.38	16.76	16.52	16.74	16.92	27
28	16.10	17.99	22.50	20.05	22.39	17.46	14.53	16.00	16.85	16.38	16.65	17.08	28
29	16.01	18.22	22.05	20.41	21.75	17.08	14.36	15.73	16.84	16.34	16.64	17.26	29
30	15.97	18.52	21.33	20.15		16.71	15.22	15.39	17.04	16.50	16.62	17.22	30
31	16.01		20.57	19.75		16.36		15.05		16.57	16.58		31

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12-26-71	1630	22.82	1-25-72	0800	22.52	2-10-72	2000	22.23	3-6-72	1500	25.49

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 45 34	121 39 59	NW 32 11N 3E		39.7	12-23-1955		AUG 1934-DATE	1934		0.00	USED

Station located 0.1 mile west of weir, 4.0 miles southeast of Knights Landing.

TABLE B-11 (CONT.)
DAILY MEAN GAGE HEIGHT
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1972	A02160	SACRAMENTO RIVER AT FREMONT WEIR, EAST END

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1													1
2													2
3													3
4													4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12													12
13													13
14													14
15													15
16				GAGE HEIGHT DID NOT EXCEED CREST OF WEIR (24.50) ENTIRE YEAR									16
17													17
18													18
19													19
20													20
21													21
22													22
23													23
24													24
25													25
26													26
27													27
28													28
29													29
30													30
31													31

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 45 55	121 38 05	SW 27 11N 3E		39.3	3-10-1940		APRIL 1935-DATE	1935		0.00	USED

Station located approximately 200 feet north of weir, 5.2 miles southeast of Knights Landing. Gage heights recorded only during periods when there is spill over weir.

TABLE B-11 (CONT.)
DAILY MEAN GAGE HEIGHT
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1972	A05191	FEATHER RIVER AT OROVILLE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.51	0.52	0.56	0.55	0.55	0.54	0.55	0.53	0.54	0.54	0.55	0.54	1
2	0.52	0.52	0.55	0.55	0.54	0.54	0.55	0.54	0.54	0.54	0.55	0.54	2
3	0.51	0.52	0.55	0.54	0.54	0.54	0.55	0.54	0.53	0.55	0.55	0.54	3
4	0.51	0.52	0.55	0.55	0.55	0.55	0.55	0.54	0.53	0.54	0.55	0.54	4
5	0.51	0.52	0.55	0.55	0.55	0.54	0.54	0.55	0.54	0.55	0.54	0.54	5
6	0.51	0.52	0.55	0.55	0.55	0.54	0.54	0.54	0.54	0.55	0.54	0.55	6
7	0.51	0.52	0.55	0.55	0.56	0.54	0.55	0.54	0.54	0.54	0.54	0.55	7
8	0.51	0.52	0.55	0.54	0.56	0.54	0.54	0.54	0.54	0.54	0.54	0.53	8
9	0.52	0.52	0.55	0.54	0.55	0.55	0.54	0.54	0.54	0.53	0.55	0.51	9
10	0.52	0.52	0.55	0.54	0.55	0.55	0.53	0.54	0.55	0.54	0.55	0.51	10
11	0.52	0.53	0.55	0.54	0.56	0.54	0.64	0.54	0.54	0.55	0.55	0.52	11
12	0.52	0.53	0.55	0.54	0.55	0.54	0.54	0.54	0.55	0.55	0.55	0.44	12
13	0.52	0.53	0.55	0.54	0.55	0.54	0.54	0.54	0.55	0.54	0.55	0.41	13
14	0.53	0.53	0.55	0.55	0.55	0.54	0.54	0.54	0.54	0.55	0.55	0.42	14
15	0.53	0.52	0.55	0.55	1.15	0.54	0.53	0.53	0.55	0.54	0.55	0.45	15
16	0.53	0.52	0.55	0.55	0.54	0.54	0.53	0.54	0.54	0.54	0.54	0.55	16
17	0.53	0.53	0.55	0.55	0.54	0.54	0.53	0.54	0.54	0.54	0.55	0.54	17
18	0.53	0.52	0.55	0.55	0.54	0.54	0.53	0.54	0.54	0.55	0.54	0.42	18
19	0.53	0.52	0.55	0.56	0.54	0.54	0.65	0.54	0.55	0.55	0.54	0.28	19
20	0.52	0.52	0.55	0.56	0.54	0.54	0.53	0.54	0.55	0.55	0.54	0.44	20
21	0.52	0.52	0.55	0.56	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	21
22	0.52	0.52	0.55	0.55	0.54	0.55	0.54	0.54	0.54	0.54	0.54	0.43	22
23	0.53	0.52	0.54	0.55	0.55	0.55	0.54	0.53	0.54	0.54	0.55	0.45	23
24	0.53	0.53	0.55	0.56	0.55	0.55	0.55	0.53	0.55	0.54	0.54	0.54	24
25	0.52	0.52	0.55	0.56	0.55	0.55	0.55	0.53	0.54	0.54	0.55	0.53	25
26	0.52	0.53	0.55	0.56	0.54	0.55	0.55	0.54	0.55	0.54	0.54	0.54	26
27	0.52	0.53	0.55	0.56	0.55	0.55	1.74	0.54	0.55	0.54	0.54	0.53	27
28	0.52	0.53	0.55	0.56	0.55	0.55	0.76	0.54	0.54	0.54	0.54	0.54	28
29	0.52	0.53	0.55	0.56	0.55	0.55	0.54	0.54	0.55	0.54	0.55	0.53	29
30	0.52	0.54	0.56	0.55		0.54	0.54	0.54	0.54	0.54	0.55	0.53	30
31	0.52		0.55	0.55		0.55		0.53		0.55	0.54		31

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
4-27-72	1815	1.88									

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 31 07	121 32 50	SE 8 19N 4E	230,000		3-19-1907	OCT 1901-DATE	OCT 1901-DATE	1912	1934	139.53	USCGS
								1934	1962	182.02	USCGS
								1962	1964	0.00	USCGS
								1964		148.97	USCGS

Station located 300 feet above Fish Barrier Dam, 0.6 mile northeast of Oroville. Flow is regulated by reservoirs and powerplants. Maximum discharge listed at site then in use (approximately 167.5 feet, USCGS Datum). Drainage area is 3,626 square miles.

TABLE B-11 (CONT.)
DAILY MEAN GAGE HEIGHT
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1972	A05165	FEATHER RIVER NEAR GRIDLEY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	26.20	26.17	27.24	26.93	27.80	27.83	25.23	26.25	25.74	26.74	26.46	26.43	1
2	26.18	26.20	27.20	26.49	27.42	26.68	25.04	26.03	26.04	26.71	26.53	26.40	2
3	26.16	26.21	27.20	26.28	26.43	25.91	25.03	25.72	26.37	26.64	26.39	26.38	3
4	26.18	26.21	27.15	26.27	26.05	25.76	25.02	25.64	26.31	26.23	25.87	26.37	4
5	26.19	26.20	27.14	26.25	26.01	25.64	25.03	26.16	26.33	26.18	25.80	26.41	5
6	26.18	26.19	27.17	26.24	25.98	25.54	25.03	26.23	26.34	26.19	25.77	26.44	6
7	26.17	26.16	27.19	26.25	25.96	25.50	25.01	26.24	26.35	26.19	26.07	26.42	7
8	26.17	26.17	27.19	26.23	27.48	25.49	25.03	26.14	26.36	26.17	26.30	26.42	8
9	26.15	26.21	27.20	26.22	29.77	25.50	25.02	25.70	26.39	26.13	26.78	26.39	9
10	26.14	26.21	27.20	26.23	29.06	25.52	25.02	25.55	26.34	26.16	26.83	26.37	10
11	26.16	26.22	27.16	26.17	26.05	25.50	25.06	25.37	26.31	26.20	26.83	26.43	11
12	26.17	26.22	27.16	26.02	26.00	25.49	25.05	25.36	26.35	25.89	26.80	26.43	12
13	26.17	26.21	27.16	26.00	25.97	25.48	25.03	25.34	26.36	25.82	26.76	26.44	13
14	26.17	26.16	27.18	26.00	25.98	25.47	25.02	25.32	26.37	25.82	26.81	26.45	14
15	26.18	26.17	27.18	25.97	25.81	25.66	25.05	25.33	26.37	25.81	26.82	26.44	15
16	26.16	26.36	27.18	25.98	25.98	26.13	25.08	25.29	26.38	25.78	26.80	26.17	16
17	26.15	26.61	27.18	25.99	25.96	25.98	25.09	25.15	26.40	25.80	26.79	26.09	17
18	26.18	26.91	27.15	25.92	25.96	25.81	25.09	25.13	26.37	25.83	26.79	26.09	18
19	26.18	27.08	27.13	26.00	25.95	25.69	25.10	25.12	26.59	25.84	26.76	26.08	19
20	26.18	27.16	27.16	26.01	25.93	25.61	25.10	25.12	26.27	25.96	26.72	26.08	20
21	26.20	27.15	27.18	26.02	25.93	25.60	25.09	25.11	26.12	26.50	26.75	26.09	21
22	26.21	27.21	27.22	26.02	26.08	25.60	25.60	25.12	26.38	26.55	26.76	26.06	22
23	26.20	27.24	27.20	25.99	26.84	25.81	25.67	25.16	26.43	26.54	26.75	26.05	23
24	26.15	27.25	27.20	25.98	27.72	26.21	25.68	25.17	26.39	26.56	26.62	26.07	24
25	26.16	27.21	27.18	26.01	27.76	26.15	25.69	25.17	26.37	26.59	26.43	26.07	25
26	26.19	27.23	27.14	26.02	27.83	26.11	25.69	25.16	26.41	26.37	26.40	26.09	26
27	26.20	27.22	27.15	26.22	28.10	26.14	25.69	25.16	26.64	26.17	26.38	26.11	27
28	26.19	27.23	27.19	26.51	28.15	26.17	25.75	25.13	26.70	26.15	26.43	26.11	28
29	26.19	27.24	27.17	26.48	28.15	26.16	26.22	25.12	26.73	26.14	26.44	26.10	29
30	26.18	27.25	27.17	26.48		25.80	26.23	25.18	26.74	26.12	26.43	26.10	30
31	26.15		27.15	26.94		25.49		25.47		26.15	26.42		31

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
2-9-72	1445	29.79	2-28-72	1445	28.19						

* In order to machine process the data in this table, it was necessary to avoid gage heights above 99.99 feet. Add 50.00 ft. to obtain recorder gage height.

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 22 01	121 38 43	SW 33 18N 3E		102.25	12-23-1955	JAN 1944-DATE	MAR 29-MAY 37 # OCT 37-APR 39 NOV 39-JUL 40 OCT 40-JUL 43 OCT 43-DATE	1929 1929		0.00 -2.91	USED USCGS

Station located near highway bridge, 2.7 miles east of Gridley. Subsequent to 1962, tabulations include all left-bank overflow. Records of discharge published prior to 1963 listed only that water in the main channel. Drainage area is 3,676 square miles.

- Flood season only.

TABLE B-11 (CONT.)
DAILY MEAN GAGE HEIGHT
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1972	A05135	FEATHER RIVER AT YUBA CITY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	41.09	40.71	42.37	42.36	42.72	43.11	39.55	40.40	39.46	41.18	40.85	41.48	1
2	41.03	40.76	42.32	41.86	42.83	42.11	39.11	40.29	39.82	41.14	41.19	41.49	2
3	40.96	40.82	42.34	41.36	41.47	40.57	38.95	39.95	40.40	41.14	41.23	41.47	3
4	40.95	40.84	42.32	41.32	40.83	40.20	38.89	39.71	40.59	40.91	40.94	41.46	4
5	40.98	40.82	42.24	41.25	40.68	39.99	38.92	39.92	40.61	40.61	40.58	41.49	5
6	40.96	40.83	42.23	41.22	41.15	39.82	39.02	40.51	40.62	40.51	40.45	41.59	6
7	40.97	40.77	42.27	41.19	40.92	39.68	38.98	40.59	40.66	40.46	40.43	41.60	7
8	40.96	40.79	42.26	41.17	41.13	39.61	38.93	40.62	40.70	40.42	40.68	41.60	8
9	40.93	40.91	42.28	41.15	45.01	39.58	38.94	40.33	40.75	40.37	41.13	41.61	9
10	40.91	40.94	42.29	41.15	45.30	39.59	38.94	39.94	40.80	40.35	41.54	41.58	10
11	40.90	41.00	42.38	41.19	41.89	39.58	38.97	39.65	40.72	40.41	41.60	41.59	11
12	40.93	41.03	42.41	40.97	40.78	39.55	39.13	39.48	40.71	40.40	41.61	41.65	12
13	40.89	41.08	42.38	40.93	40.67	39.53	39.21	39.42	40.74	40.17	41.58	41.68	13
14	40.94	40.97	42.45	40.92	40.63	39.53	39.12	39.40	40.73	40.09	41.59	41.66	14
15	40.88	40.93	42.43	40.92	40.55	39.54	39.08	39.38	40.73	40.08	41.67	41.64	15
16	40.82	41.08	42.42	40.95	40.49	40.03	39.04	39.38	40.73	40.10	41.65	41.59	16
17	40.79	41.42	42.40	41.00	40.55	40.33	39.04	39.31	40.77	40.10	41.64	41.38	17
18	40.80	41.68	42.38	41.04	40.53	40.04	38.97	39.23	40.72	40.17	41.65	41.24	18
19	40.85	41.98	42.30	41.01	40.35	39.89	38.91	39.20	40.90	40.29	41.64	40.82	19
20	40.85	42.19	42.30	41.02	40.25	39.76	38.88	39.19	40.83	40.32	41.59	40.65	20
21	40.84	42.19	42.36	40.93	40.23	39.69	38.85	39.23	40.57	40.61	41.58	40.58	21
22	40.86	42.25	42.58	40.74	40.24	39.72	38.96	39.23	40.49	41.17	41.64	40.54	22
23	40.86	42.34	42.80	40.76	40.92	39.71	39.57	39.25	40.73	41.23	41.83	40.82	23
24	40.80	42.35	42.76	40.94	42.32	40.31	39.63	39.24	40.79	41.26	41.84	41.11	24
25	40.81	42.33	43.82	40.64	42.90	40.49	39.58	39.22	40.74	41.29	41.50	41.15	25
26	40.84	42.31	43.48	40.60	43.71	40.43	39.63	39.17	40.71	41.28	41.44	41.24	26
27	40.88	42.35	43.16	40.79	43.97	40.43	39.62	39.14	40.82	40.97	41.44	41.31	27
28	40.87	42.36	43.18	41.45	43.32	40.45	39.63	39.12	41.04	40.84	41.45	41.30	28
29	40.83	42.35	43.03	41.73	43.21	40.48	39.93	39.09	41.10	40.79	41.52	41.27	29
30	40.79	42.38	42.91	41.37		40.37	40.41	39.04	41.16	40.77	41.50	41.25	30
31	40.71		42.71	41.31		39.89		39.12		40.76	41.48		31

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12-25-71	1315	43.98	2-10-72	0815	45.39	2-27-72	0930	44.09			

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 08 20	121 36 17	NE 23 15N 3E		82.42	12-24-1955	JUL 44-OCT 45 ö JAN 46-SEPT 63	NOV 1943-DATE	1943 1943		0.00 -3.0	USED USCGS

Station located at Sacramento Northern Railroad bridge. Backwater from Yuba River at times affects stage-discharge relationship. Drainage area is 3,977 square miles.

ö - Irrigation season only.

TABLE B-11 (CONT.)
DAILY MEAN GAGE HEIGHT
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1972	A05120	FEATHER RIVER BELOW SHANGHAI BEND

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	35.46	34.83	36.79	36.94	37.03	37.33	33.19	34.06	33.21	34.94	35.05	35.85	1
2	35.38	34.89	36.72	36.41	37.28	36.15	32.74	33.93	33.56	34.87	35.39	35.81	2
3	35.31	35.00	36.75	35.83	35.87	34.52	32.56	33.52	34.21	34.85	35.37	35.79	3
4	35.29	35.03	36.75	35.76	35.12	34.12	32.48	33.26	34.29	34.43	34.83	35.79	4
5	35.33	35.02	36.63	35.69	34.93	NR	32.55	33.64	34.30	34.08	34.44	35.86	5
6	35.31	35.03	36.63	35.64	35.51	NR	32.67	34.26	34.31	34.11	34.36	36.01	6
7	35.32	34.97	36.68	35.61	35.27	NR	32.63	34.28	34.36	34.08	34.51	36.02	7
8	35.33	35.00	36.66	35.58	35.31	NR	32.56	34.33	34.39	34.06	34.85	36.02	8
9	35.28	35.16	36.67	35.56	39.50	NR	32.56	33.90	34.45	34.02	35.39	36.02	9
10	35.25	35.20	36.70	35.56	40.11	NR	32.55	33.50	34.51	34.01	35.71	35.98	10
11	35.23	35.27	36.86	35.62	36.57	NR	32.60	33.13	34.42	34.25	35.74	36.01	11
12	35.25	35.31	36.88	35.41	35.00	NR	32.80	33.04	34.41	34.09	35.76	36.10	12
13	35.17	35.37	36.90	35.36	34.89	NR	32.97	33.01	34.45	33.77	35.73	36.12	13
14	35.23	35.28	36.99	35.34	34.84	NR	32.75	32.99	34.43	33.81	35.76	36.09	14
15	35.12	35.22	36.96	35.34	34.80	33.40	32.67	32.98	34.42	33.98	35.86	36.09	15
16	34.96	35.36	36.94	35.41	34.68	33.86	32.57	32.98	34.43	34.00	35.75	36.00	16
17	34.95	35.72	36.93	35.45	34.77	34.13	32.59	32.81	34.48	34.01	35.77	35.76	17
18	34.96	35.97	36.89	35.50	34.75	33.75	32.44	32.74	34.40	34.21	35.78	35.37	18
19	34.99	36.32	36.80	35.47	34.40	33.56	32.36	32.73	34.68	34.38	35.77	34.40	19
20	35.00	36.56	36.79	35.49	34.19	33.42	32.34	32.82	34.43	34.41	35.73	34.32	20
21	34.98	36.57	36.87	35.36	34.14	33.38	32.28	32.93	34.08	34.85	35.74	34.32	21
22	34.99	36.63	37.15	35.00	34.18	33.46	32.49	32.88	34.18	35.33	35.89	34.30	22
23	35.00	36.74	37.51	35.07	34.77	33.44	33.14	32.92	34.53	35.34	36.23	35.28	23
24	34.94	36.74	37.42	35.45	36.26	34.14	33.14	32.88	34.52	35.37	36.22	35.55	24
25	34.95	36.73	38.93	34.93	37.37	34.23	33.08	32.85	34.42	35.41	35.58	35.58	25
26	34.97	36.70	38.57	34.88	38.78	34.18	33.24	32.76	34.44	35.36	35.78	35.72	26
27	35.03	36.75	38.10	35.04	39.11	34.24	33.20	32.69	34.63	34.90	35.77	35.74	27
28	35.01	36.78	38.12	35.77	37.83	34.26	33.21	32.67	34.83	34.82	35.83	35.71	28
29	34.97	36.77	37.92	36.34	37.46	34.34	33.64	32.61	34.89	34.83	35.92	35.67	29
30	34.94	36.82	37.76	35.78		34.21	34.09	32.55	34.95	34.84	35.91	35.64	30
31	34.86		37.46	35.57		33.60		32.79		34.84	35.88		31

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12-25-71	1345	39.16	2-10-72	1745	40.17	2-27-72	1400	39.28			

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 04 44	121 36 08	NE 11 14N 3E		76.8	12-24-1955	JUN 44-OCT 45 ö JAN 46-DATE	NOV 26-MAY 37 # OCT 37-MAY 39 NOV 39-JUL 41 NOV 41-JUL 43 # OCT 43-DATE	1926 1926		0.00 -3.01	USED USCGS

Station located approximately 4 miles south of Yuba City. Flow partly regulated by reservoirs and powerplants. Drainage area is 5,337 square miles.

ö - Irrigation season only.
\# - Flood season only.

TABLE B-11 (CONT.)
DAILY MEAN GAGE HEIGHT
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1972	A05103	FEATHER RIVER AT NICOLAUS

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	24.22	23.81	25.60	25.92	25.42	26.69	22.79	23.17	22.06	23.72	23.82	24.75	1
2	24.25	23.82	25.54	25.47	26.05	26.10	22.50	23.10	22.26	23.72	23.97	24.74	2
3	24.18	23.87	25.55	25.00	25.17	24.58	22.34	22.75	22.50	23.75	24.10	24.72	3
4	24.13	23.94	25.58	24.79	24.31	23.91	22.30	22.43	22.85	23.66	24.04	24.71	4
5	24.12	23.98	25.47	24.72	24.04	23.92	22.13	22.51	23.01	23.18	23.61	24.73	5
6	24.12	24.00	25.46	24.65	24.79	23.99	22.33	23.16	23.11	23.04	23.55	24.79	6
7	24.11	24.01	25.51	24.63	24.99	23.84	22.40	23.22	23.18	23.04	23.51	24.89	7
8	24.11	23.97	25.48	24.60	24.62	23.76	22.35	23.28	23.22	23.03	23.60	24.91	8
9	24.10	24.09	25.47	24.56	27.36	23.67	22.35	23.10	23.27	23.01	23.76	24.90	9
10	24.07	24.15	25.47	24.57	28.86	23.66	22.33	22.62	23.33	22.99	24.06	24.89	10
11	24.05	24.22	25.63	24.60	26.71	23.61	22.37	22.40	23.37	23.02	24.25	24.88	11
12	24.04	24.29	25.62	24.47	24.26	23.62	22.54	22.27	23.38	23.10	24.37	24.92	12
13	24.04	24.33	25.70	24.35	24.05	23.48	22.95	22.27	23.37	22.89	24.46	24.97	13
14	23.94	24.30	25.72	24.32	23.96	23.29	23.08	22.27	23.39	22.85	24.51	24.98	14
15	24.00	24.24	25.76	24.31	23.91	23.22	22.78	22.26	23.38	22.88	24.58	24.98	15
16	23.76	24.28	25.74	24.37	23.73	23.46	22.59	22.24	23.39	22.96	24.63	24.97	16
17	23.78	24.57	25.72	24.41	23.81	23.82	22.50	22.17	23.42	23.01	24.66	24.80	17
18	23.79	24.83	25.70	24.47	23.79	23.50	22.38	22.09	23.43	23.05	24.68	24.71	18
19	23.81	25.11	25.62	24.45	23.61	23.24	22.20	22.08	23.39	23.18	24.69	23.65	19
20	23.83	25.36	25.60	24.45	23.36	23.06	22.07	22.04	23.48	23.27	24.67	23.60	20
21	23.84	25.39	25.67	24.42	23.30	22.98	21.99	22.10	23.22	23.34	24.65	23.58	21
22	23.84	25.42	25.80	24.07	23.30	23.02	21.90	22.16	23.03	23.64	24.68	23.58	22
23	23.86	25.55	26.25	24.07	23.63	23.06	22.41	22.22	23.13	23.87	24.84	23.73	23
24	23.86	25.55	26.17	24.48	24.74	23.44	22.51	22.24	23.25	24.00	24.98	24.22	24
25	23.84	25.56	27.50	24.08	26.81	23.70	22.49	22.21	23.32	24.10	24.86	24.40	25
26	23.87	25.51	27.84	23.96	28.64	23.63	22.53	22.13	23.35	24.17	24.65	24.52	26
27	23.89	25.57	27.17	24.02	28.68	23.67	22.53	22.10	23.38	24.09	24.71	24.63	27
28	23.92	25.56	27.18	24.49	27.50	23.63	22.47	22.09	23.48	23.88	24.71	24.69	28
29	23.93	25.57	26.94	25.21	26.67	23.68	22.60	22.08	23.59	23.79	24.80	24.70	29
30	23.89	25.61	26.69	24.84		23.64	23.17	22.01	23.67	23.80	24.77	24.68	30
31	23.86		26.40	24.52		23.16		21.97		23.80	24.76		31

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12-25-71	2030	28.14	2-10-72	1230	28.88	2-26-72	1530	29.02			

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 54 00	121 35 00	SE 12 12N 3E	357,000	51.60	12-23-1955	JUN 21-OCT 28 ö JAN 39-DATE	1920-DATE	1920 1920		0.00 -3.30	USED USCGS

Station located at State Highway 99 bridge, 2.9 miles below Bear River, 0.5 mile southwest of Nicolaus. Backwater at times affects the stage-discharge relationship. Flow partly regulated by reservoirs and powerplants. Maximum discharge of record is for period 1943 to date. Records furnished by U. S. Geological Survey. Drainage area is approximately 5,921 square miles (revised).

ö - Irrigation season only.

TABLE B-11 (CONT.)
DAILY MEAN GAGE HEIGHT
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1972	A02150	SACRAMENTO RIVER AT VERONA

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	16.48	13.82	16.55	17.80	17.36	20.15	13.32	13.18	12.36	14.98	14.38	14.68	1
2	16.41	13.87	16.44	17.25	18.02	21.60	13.18	12.98	12.51	15.11	14.49	14.78	2
3	16.16	13.88	16.41	16.65	17.63	20.26	13.15	12.67	12.82	15.14	14.54	14.87	3
4	16.04	13.91	16.43	16.15	16.67	19.16	13.43	12.25	13.30	15.05	14.43	14.75	4
5	15.99	13.92	16.41	15.86	16.37	20.63	13.47	12.23	13.36	14.74	14.04	14.77	5
6	16.09	13.90	16.48	15.65	16.90	21.33	13.59	12.81	13.37	14.36	13.85	14.84	6
7	15.97	13.94	16.30	15.54	17.71	21.14	13.94	13.54	13.39	14.04	13.65	15.00	7
8	15.92	13.87	16.21	15.46	17.55	20.67	14.80	14.11	13.43	13.84	13.62	15.13	8
9	15.79	13.90	16.24	15.38	18.48	20.18	14.98	14.30	13.40	13.83	13.70	15.32	9
10	15.67	13.97	16.16	15.31	20.25	19.86	14.68	14.24	13.64	13.92	14.00	15.54	10
11	15.33	14.01	16.20	15.32	19.66	19.54	14.46	14.20	13.86	13.93	14.16	15.56	11
12	15.25	14.35	16.21	15.27	17.21	19.47	14.47	13.90	14.20	14.04	14.26	15.69	12
13	15.23	14.59	16.30	15.15	16.26	19.47	14.77	13.75	14.34	13.89	14.30	15.95	13
14	14.92	14.77	16.38	15.05	15.96	19.17	15.61	13.80	14.33	13.71	14.30	16.07	14
15	14.85	14.77	16.60	14.90	15.63	18.86	15.64	13.85	14.11	13.74	14.30	16.02	15
16	14.55	14.65	16.39	14.80	15.40	18.67	15.08	13.78	13.84	13.75	14.32	15.94	16
17	14.35	14.65	16.28	14,89	15.25	18.68	14.45	13.69	13.64	13.65	14.34	15.76	17
18	14.27	14.69	16.25	14.99	15.03	18.52	14.00	13.52	13.61	13.50	14.46	15.50	18
19	14.12	15.03	16.13	15.15	14.88	18.33	13.65	13.43	13.61	13.47	14.63	14.91	19
20	14.14	15.56	16.10	15.36	14.45	18.25	13.03	13.49	13.82	13.44	14.74	14.59	20
21	14.11	15.72	16.08	15.34	14.27	17.53	12.58	13.98	13.65	13.46	14.74	14.79	21
22	14.10	15.74	16.34	15.21	14.31	15.92	12.17	14.58	13.25	13.93	14.69	14.81	22
23	14.17	15.77	17.16	15.79	14.43	14.74	12.26	15.10	13.46	14.27	14.90	14.59	23
24	14.16	15.79	19.37	17.59	15.17	14.52	12.71	15.22	13.83	14.43	15.06	14.77	24
25	14.07	15.76	20.09	18.93	16.90	15.15	12.68	14.94	14.10	14.51	14.99	14.69	25
26	14.09	15.70	20.76	18.14	19.59	14.95	12.77	14.44	14.32	14.57	14.68	14.77	26
27	14.09	15.84	20.49	17.42	20.33	14.91	12.56	13.89	14.38	14.46	14.82	15.03	27
28	13.99	15.91	20.47	17.32	20.23	14.79	11.92	13.51	14.52	14.25	14.77	15.17	28
29	13.90	16.10	20.00	17.83	19.48	14.50	11.69	13.26	14.58	14.21	14.75	15.31	29
30	13.84	16.32	19.23	17.66		14.21	12.53	12.93	14.69	14.31	14.74	15.29	30
31	13.86		18.50	17.20		13.82		12.60		14.41	14.69		31

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12-26-71	1530	20.87	2-10-72	2100	20.43	3-2-72	1030	21.74			

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 46 50	121 36 10	SE 23 11N 3E	79,200	41.20	3-1-1940	MAY 26-OCT 28 ö MAY 29-DATE	MAY 1926-DATE	1926		-0.06 -3.00	USED USCGS

Station located 0.8 mile southeast of Verona, 1.0 mile below the Feather River. Records furnished by U. S. Geological Survey. Drainage area is 21,275 square miles.

ö - Irrigation season only.

TABLE B-11 (CONT.)
DAILY MEAN GAGE HEIGHT
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1972	A02105	SACRAMENTO RIVER AT SACRAMENTO WEIR

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	NR	8.16	10.18	12.15	11.33	12.41	NR	NR	NR	9.37	8.63	9.08	1
2	NR	8.24	10.38	11.72	11.77	13.67	NR	NR	NR	9.40	8.76	9.28	2
3	NR	8.29	10.32	11.16	11.63	13.41	NR	NR	NR	9.20	9.00	9.21	3
4	NR	8.33	10.20	10.58	11.03	12.59	NR	NR	NR	9.07	9.05	9.06	4
5	NR	8.41	10.07	10.06	10.91	13.29	NR	NR	NR	8.98	8.76	8.98	5
6	NR	8.37	10.05	9.74	11.09	14.08	NR	NR	7.77	8.80	8.65	8.99	6
7	NR	8.41	9.77	9.66	11.53	14.08	NR	NR	7.92	8.57	8.73	9.11	7
8	NR	8.32	9.69	9.61	11.53	13.89	NR	NR	8.19	8.45	8.70	9.22	8
9	NR	8.22	9.73	9.45	11.84	13.50	8.54	NR	8.12	8.46	8.72	9.34	9
10	NR	8.12	9.74	9.36	13.22	13.19	8.55	NR	8.16	8.47	8.82	9.44	10
11	NR	8.20	9.78	9.34	13.30	12.95	8.49	NR	8.20	8.44	8.80	9.50	11
12	NR	8.40	9.98	9.41	11.51	12.83	8.58	NR	8.37	8.42	8.74	9.44	12
13	NR	8.55	9.99	9.36	10.48	12.87	8.66	NR	8.46	8.25	8.71	9.55	13
14	NR	8.50	10.03	9.34	10.23	12.55	8.97	NR	8.46	8.12	8.75	9.64	14
15	NR	8.43	10.22	9.19	9.94	12.10	9.28	NR	8.22	8.28	8.67	9.75	15
16	NR	8.28	10.08	9.08	9.66	11.82	9.11	NR	7.91	8.62	8.59	9.83	16
17	NR	8.48	9.95	9.13	9.53	11.74	8.58	NR	7.69	8.50	8.57	9.78	17
18	NR	8.71	10.02	9.24	9.41	11.73	NR	NR	7.91	8.37	8.81	9.61	18
19	8.40	8.90	10.00	9.23	9.38	11.51	NR	NR	8.18	8.39	9.04	9.19	19
20	8.42	9.32	9.95	9.30	8.95	11.47	NR	NR	8.13	8.36	9.03	8.76	20
21	8.40	9.51	9.86	9.26	8.81	11.24	NR	NR	8.01	8.23	9.05	8.85	21
22	8.38	9.52	10.44	9.18	8.94	10.35	NR	NR	7.96	8.47	8.97	8.98	22
23	8.58	9.48	10.69	9.48	8.88	9.10	NR	8.52	8.21	8.79	9.15	8.85	23
24	8.52	9.43	12.04	10.44	9.19	8.58	NR	8.71	8.26	8.90	9.31	8.91	24
25	8.38	9.36	13.67	11.83	10.07	8.86	NR	8.67	8.52	8.81	9.25	8.95	25
26	8.32	9.31	13.53	11.75	11.85	8.68	NR	8.48	8.80	8.85	9.18	9.12	26
27	8.33	9.41	13.66	11.29	12.80	8.63	NR	NR	8.96	8.76	9.24	9.33	27
28	8.03	9.63	14.06	11.05	12.89	8.58	NR	NR	9.21	8.66	9.19	9.37	28
29	7.91	9.84	13.86	11.48	12.44	8.41	NR	NR	9.28	8.66	8.99	9.40	29
30	8.06	9.98	13.22	11.68		8.19	NR	NR	9.19	8.72	8.79	9.43	30
31	8.11		12.68	11.36		7.96		NR		8.74	8.87		31

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12-28-71	1730	14.42	2-10-72	1915	13.70	3-6-72	1245	14.24			

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 36 09	121 33 12	NE 29 9N 4E		33.1	12-23-1955		NOV 26-JULY 37 #	1926		0.00	USED
							OCT 37-DATE	1926		-3.07	USCGS
									1964	-3.49	USCGS
								1964		-3.00	USCGS

Station located 100 feet below weir, 4 miles northwest of Sacramento.

- Flood season only.

TABLE B-11 (CONT.)
DAILY MEAN GAGE HEIGHT
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1972	A02100	SACRAMENTO RIVER AT SACRAMENTO

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	5.88	4.46	6.29	8.35	7.54	8.48	4.05	3.64	3.93	5.76	4.99	5.45	1
2	6.07	4.58	6.54	7.93	7.92	9.67	3.94	3.68	4.07	5.77	5.13	5.66	2
3	6.10	4.61	6.47	7.39	7.79	9.54	4.02	3.69	4.11	5.54	5.39	5.56	3
4	6.06	4.66	6.32	6.78	7.24	8.82	4.12	3.94	4.17	5.40	5.45	5.41	4
5	6.09	4.74	6.15	6.24	7.17	9.44	4.37	3.59	4.16	5.33	5.18	5.32	5
6	6.17	4.72	6.12	5.90	7.31	10.21	4.34	3.56	4.21	5.19	5.11	5.34	6
7	6.19	4.74	5.81	5.84	7.72	10.23	4.20	3.77	4.38	4.97	5.22	5.44	7
8	6.14	4.64	5.72	5.81	7.72	10.07	4.65	3.97	4.67	4.87	5.21	5.54	8
9	6.09	4.55	5.77	5.66	8.01	9.68	4.84	4.19	4.60	4.90	5.22	5.64	9
10	5.94	4.47	5.79	5.58	9.35	9.37	4.88	4 22	4.61	4.88	5.28	5.73	10
11	5.69	4.58	5.84	5.57	9.41	9.14	4.87	4.26	4.62	4.85	5.23	5.79	11
12	5.50	4.80	6.10	5.67	7.73	9.03	4.96	4.20	4.77	4.81	5.15	5.69	12
13	5.49	5.02	6.07	5.62	6.73	9.07	5.00	4.26	4.85	4.65	5.11	5.77	13
14	5.50	4.95	6.12	5.61	6.49	8.73	5.24	4.37	4.85	4.53	5.14	5.91	14
15	5.48	4.76	6.29	5.46	6.20	8.25	5.55	4.52	4.60	4.72	5.05	5.99	15
16	5.16	4.65	6.16	5.37	5.92	7.95	5.45	4.54	4.28	5.09	4.95	6.09	16
17	4.93	4.84	6.02	5.41	5.80	7.87	4.92	4.31	4.07	4.95	4.93	6.06	17
18	4.84	4.92	6.13	5.52	5.70	7.90	4.33	4.09	4.33	4.84	5.18	5.90	18
19	4.73	5.07	6.13	5.49	5.70	7.67	4.07	3.96	4.63	4.86	5.40	5.51	19
20	4.76	5.46	6.06	5.54	5.28	7.62	3.82	3.97	4.54	4.83	5.38	5.07	20
21	4.73	5.65	6.03	5.50	5.16	7.43	3.48	3.94	4.42	4.68	5.41	5.15	21
22	4.73	5.65	6.64	5.43	5.32	6.65	3.17	4.26	4.44	4.90	5.33	5.30	22
23	4.94	5.58	6.78	5.73	5.22	5.42	3.26	4.79	4.67	5.21	5.52	5.19	23
24	4.87	5.52	8.02	6.56	5.45	4.93	3.61	4.97	4.68	5.30	5.66	5.24	24
25	4.71	5.44	9.06	7.94	6.23	5.17	3.46	4.98	4.94	5.20	5.62	5.28	25
26	4.61	5.38	9.51	7.88	7.86	4.97	3.38	4.84	5.21	5.23	5.57	5.47	26
27	4.62	5.50	9.68	7.49	8.83	4.90	3.52	4.56	5.38	5.15	5.62	5.66	27
28	4.25	5.76	10.18	7.22	8.95	4.86	3.42	4.38	5.63	5.06	5.57	5.67	28
29	4.13	5.97	9.98	7.65	8.56	4.71	2.82	4.19	5.70	5.07	5.34	5.68	29
30	4.34	6.10	9.36	7.85		4.50	3.02	4.00	5.59	5.12	5.12	5.72	30
31	4.38		8.86	7.55		4.30		3.99		5.12	5.22		31

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12-28-71	1645	10.58	2-10-72	1745	9.80	3-6-72	1315	10.39			

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 35 20	121 30 15	NW 35 9N 4E	104,000	30.14	11-21-1950	04- 05	JAN 04-JULY 05	1904	1956	0.12	USCGS
						JUN 21-NOV 21	20-DATE	1956		0.00	USCGS
						MAY 24-DEC 42 ö		1956		2.98	USED
						MAY 43-DATE			1965	-0.23	USCGS
								1965		0.00	USCGS

Station located 1,000 feet above I Street bridge, 0.5 mile below the American River. Below approximately 30,000 cfs the stage-discharge relationship is affected by tidal influence. Maximum discharge listed at site and datum then in use. Drainage area is 23,530 square miles.

ö - Irrigation season only.

TABLE B-11 (CONT.)
DAILY MEAN GAGE HEIGHT
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1972	A07140	AMERICAN RIVER AT SACRAMENTO

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	17.59	18.20	18.08	19.52	19.30	18.26	17.66	17.59	18.13	19.06	18.69	18.45	1
2	18.34	18.26	18.09	19.52	19.30	18.25	17.63	17.59	18.44	18.55	18.70	18.46	2
3	18.48	18.21	18.09	19.54	19.32	19.09	17.62	17.57	18.46	18.44	18.70	18.46	3
4	18.48	18.21	18.08	19.16	19.34	19.32	17.64	17.58	18.47	18.45	18.70	18.47	4
5	18.49	18.21	18.07	18.64	19.41	19.32	17.68	17.61	18.45	18.44	18.70	18.46	5
6	18.48	18.22	18.05	18.50	19.33	19.34	17.66	17.62	18.20	18.44	18.70	18.45	6
7	18.49	18.22	18.07	18.53	19.33	19.31	17.66	17.63	17.95	18.44	18.69	18.45	7
8	18.49	18.21	18.13	18.53	19.32	19.30	17.65	17.61	17.90	18.44	18.70	18.45	8
9	18.48	18.23	18.06	18.52	19.35	19.31	17.65	17.58	17.90	18.45	18.70	18.45	9
10	18.48	18.20	18.08	18.53	19.29	19.30	17.84	17.57	17.91	18.45	18.69	18.46	10
11	18.48	18.12	18.07	18.56	19.31	19.29	17.70	17.59	17.91	18.44	18.68	18.44	11
12	18.49	18.09	18.10	18.54	18.89	19.30	17.68	17.58	17.89	18.44	18.69	18.45	12
13	18.48	18.11	18.08	18.53	18.80	19.28	17.66	17.56	17.61	18.44	18.68	18.45	13
14	18.51	18.08	18.07	18.53	18.80	18.90	17.65	17.57	17.54	18.44	18.68	18.45	14
15	18.25	18.09	18.09	18.30	18.79	18.77	17.65	17.57	17.55	18.44	18.68	18.44	15
16	18.20	18.09	18.08	18.23	18.79	18.39	17.64	17.59	17.56	18.45	18.68	18.46	16
17	18.21	18.08	18.07	18.30	18.79	18.23	17.66	17.60	17.79	18.46	18.68	18.45	17
18	18.20	18.09	18.07	18.33	18.79	18.25	17.67	17.58	18.12	18.44	18.67	18.45	18
19	18.20	18.09	18.08	18.23	18.57	18.28	17.66	17.60	18.18	18.44	18.68	18.44	19
20	18.20	18.08	18.09	18.22	18.51	18.26	17.64	17.62	18.17	18.45	18.67	18.45	20
21	18.20	18.09	18.12	18.20	18.51	18.26	17.63	17.62	17.91	18.46	18.66	18.45	21
22	18.20	18.09	18.18	18.20	18.51	18.28	17.64	17.59	18.32	18.45	18.66	18.44	22
23	18.22	18.09	18.15	18.26	18.30	18.04	17.64	17.58	18.46	18.46	18.65	18.45	23
24	18.21	18.07	18.18	18.23	18.24	17.95	17.65	17.58	18.46	18.46	18.66	18.47	24
25	18.20	18.07	18.25	18.24	18.25	17.94	17.66	17.57	18.46	18.44	18.68	18.48	25
26	18.20	18.07	18.10	18.24	18.25	17.95	17.65	17.57	18.45	18.44	18.67	18.54	26
27	18.21	18.07	18.28	18.27	18.26	17.71	17.63	17.57	18.87	18.68	18.66	18.50	27
28	18.20	18.07	19.49	18.69	18.25	17.61	17.56	17.57	19.39	18.71	18.67	18.49	28
29	18.20	18.07	19.49	19.23	18.26	17.64	17.58	17.56	19.48	18.70	18.67	18.49	29
30	18.20	18.08	19.48	19.27		17.65	17.60	17.56	19.45	18.71	18.00	18.48	30
31	18.20		19.52	19.29		17.63		17.85		18.71	18.42		31

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
1-3-72	0415	19.58	2-5-72	0845	19.49	3-6-72	0700	19.38	6-28-72	2115	19.50

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 34 08	121 25 22	SW 3 8N 5E	176,000	45.73	11-21-1950	JUL 21-OCT 21 MAY 24-DEC 42 o" MAY 43-SEPT 59	JUL 21-OCT 21 JUN 24-NOV 24 JUN 1925-DATE	1921 1921		0.00 -3.07	USED USCGS

Station located at H Street bridge. Backwater at times affects the stage-discharge relationship. Maximum discharge of record listed is for period 1921, 1929-1932, 1934 to date. Maximum gage height listed does not necessarily indicate maximum discharge. Drainage area is 1,937 square miles.

o" - Irrigation season only.

TABLE B-11 (CONT.)
DAILY MEAN GAGE HEIGHT
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1972	A81820	SCOTTS CREEK AT UPPER LAKE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	3.29	3.70	1.12	6.65	7.06	7.72	6.14	6.09	5.47	4.79	2.47	1.38	1
2	3.31	3.79	1.28	6.67	6.95	7.78	6.12	6.03	5.35	4.69	2.48	1.29	2
3	3.33	3.87	1.34	6.65	6.82	8.04	6.10	5.99	5.38	4.58	2.29	1.19	3
4	3.34	3.95	1.31	6.55	6.98	7.93	6.09	5.95	5.38	4.46	2.02	1.27	4
5	3.35	4.02	1.23	6.43	7.44	7.75	6.13	5.93	5.38	4.31	1.77	1.37	5
6	3.37	4.10	1.22	6.31	7.59	7.56	6.26	5.89	5.37	4.15	1.56	1.42	6
7	3.38	4.18	1.42	6.22	7.55	7.37	6.30	5.88	5.33	4.01	1.36	1.45	7
8	3.39	4.26	1.83	6.15	7.43	7.19	6.25	5.85	5.31	4.05	1.39	1.48	8
9	3.40	4.36	2.12	6.07	7.28	7.05	6.19	5.82	5.31	4.14	1.47	1.51	9
10	3.40	4.50	3.04	6.02	7.11	6.98	6.15	5.81	5.28	4.02	1.49	1.53	10
11	3.41	4.70	3.25	5.96	6.95	6.89	6.20	5.79	5.31	3.92	1.54	1.56	11
12	3.39	4.92	3.99	5.92	6.80	6.79	6.51	5.77	5.24	3.88	1.60	1.58	12
13	3.22	5.18	4.43	5.88	6.67	6.69	6.93	5.75	5.20	3.84	1.60	1.61	13
14	3.06	5.35	4.58	5.86	6.56	6.60	6.88	5.72	5.16	3.77	1.60	1.63	14
15	2.95	5.44	4.85	5.83	6.46	6.53	6.76	5.63	5.17	3.59	1.60	1.65	15
16	2.92	5.50	5.02	5.80	6.37	6.47	6.75	5.65	5.18	3.45	1.61	1.67	16
17	2.89	5.53	5.16	5.77	6.30	6.41	6.71	5.63	5.18	3.32	1.62	1.68	17
18	2.85	5.54	5.29	5.75	6.24	6.35	6.68	5.64	5.17	3.24	1.63	1.62	18
19	2.84	5.55	5.40	5.75	6.19	6.29	6.65	5.58	5.14	3.19	1.66	1.56	19
20	2.87	5.56	5.50	5.79	6.16	6.26	6.62	5.67	5.09	3.13	1.66	1.51	20
21	2.97	5.57	5.60	6.10	6.14	6.23	6.59	5.72	5.05	3.09	1.64	1.45	21
22	3.03	4.49	6.60	6.99	6.24	6.30	6.53	5.69	5.04	3.01	1.63	1.40	22
23	3.10	1.56	7.19	8.33	7.26	6.47	6.53	5.67	5.05	2.92	1.61	1.34	23
24	3.14	1.24	7.35	8.03	7.78	6.46	6.54	5.64	5.05	2.82	1.59	1.19	24
25	3.20	1.13	7.53	7.81	7.83	6.43	6.53	5.61	5.07	2.73	1.58	1.03	25
26	3.26	1.16	7.28	7.68	7.94	6.36	6.32	5.59	5.09	2.64	1.58	1.08	26
27	3.33	1.21	7.26	7.55	7.82	6.31	6.18	5.65	5.08	2.56	1.61	1.16	27
28	3.40	1.29	7.10	7.40	7.74	6.26	6.06	5.54	5.03	2.50	1.60	0.97	28
29	3.46	1.23	6.91	7.27	7.89	6.22	6.12	5.52	4.94	2.49	1.53	0.85	29
30	3.53	1.15	6.76	7.19		6.19	6.17	5.51	4.89	2.49	1.43	0.97	30
31	3.62		6.66	7.13		6.16		5.49		2.48	1.37		31

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
1/23/72	0030	8.53									

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 09 32	122 55 13	SW12 15N 10W		22.14	12/23/64		NOV 59-DATE	1959		1321.2	USCGS

Station located 0.1 mi. above State Highway 29 Bridge, 0.7 mi. SW of Upper Lake. Gage height reflects the elevation of Clear Lake as well as flow of Scotts Creek.

TABLE B-11 (CONT.)
DAILY MEAN GAGE HEIGHT
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1972	B07020	SAN JOAQUIN RIVER NEAR VERNALIS

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	10.62	10.66	11.01	13.41	12.42	10.40	10.10	9.45	8.75	8.57	8.63	8.62	1
2	10.70	10.40	10.99	13.13	12.54	10.49	10.33	9.25	8.65	8.42	8.56	8.63	2
3	10.92	10.37	11.01	12.99	12.97	10.56	10.19	9.25	8.55	8.47	8.38	8.66	3
4	11.12	10.44	11.04	12.88	13.06	10.49	9.93	9.18	8.68	8.38	8.33	8.76	4
5	11.10	10.46	11.04	13.13	13.02	10.26	9.85	9.07	8.85	8.45	8.39	9.01	5
6	11.25	10.48	11.06	13.16	13.00	10.14	10.10	9.11	8.81	8.48	8.55	9.06	6
7	11.23	10.39	11.06	13.20	12.87	10.17	10.18	9.32	8.69	8.45	8.72	8.95	7
8	11.33	10.39	11.05	13.27	12.82	10.16	10.12	9.38	8.69	8.42	8.66	9.03	8
9	11.52	10.43	11.07	13.25	13.07	10.18	10.05	9.42	8.73	8.35	8.59	9.38	9
10	11.84	10.50	11.10	13.12	13.25	10.41	10.17	9.42	8.86	8.46	8.44	9.99	10
11	11.97	10.56	11.30	13.06	13.37	10.76	9.87	9.40	8.91	8.46	8.41	10.48	11
12	11.94	10.60	11.42	13.23	13.38	10.72	9.89	9.38	9.10	8.44	8.50	10.61	12
13	12.02	10.61	11.46	13.16	12.86	10.59	9.99	9.24	8.97	8.46	8.55	10.78	13
14	11.82	10.58	11.44	13.07	12.33	10.43	9.81	9.09	8.83	8.42	8.63	10.99	14
15	12.08	10.56	11.47	12.65	12.17	10.34	9.87	8.96	8.72	8.30	8.69	11.02	15
16	12.50	10.56	11.72	12.48	12.31	NR	9.92	8.92	8.65	8.25	8.64	11.12	16
17	13.28	10.56	11.89	12.40	12.29	10.37	9.89	9.03	8.64	8.45	8.75	11.26	17
18	13.30	10.56	11.94	12.39	12.21	10.35	9.76	9.15	8.72	8.38	8.73	11.45	18
19	13.18	10.55	11.95	12.43	12.12	10.33	9.70	9.05	8.67	8.32	8.77	11.53	19
20	NR	10.73	11.93	12.53	11.96	10.37	9.42	8.97	8.69	8.23	8.89	11.54	20
21	11.41	11.06	11.78	12.53	NR	10.37	9.23	9 07	8.68	8.29	8.94	11.53	21
22	NR	11.19	11.53	12.50	NR	10.45	9.17	9.25	8.62	8.39	8.76	11.61	22
23	10.77	11.28	11.46	12.44	11.11	10.65	9.31	9.30	8.54	8.58	8.66	11.64	23
24	11.11	11.08	11.51	12.40	11.15	10.54	9.43	9.15	8.50	8.67	8.54	11.67	24
25	11.32	10.95	12.03	12.38	11.25	10.50	9.32	9.05	8.69	8.65	8.55	11.57	25
26	11.23	10.97	12.84	12.42	11.17	10.37	9.30	8.97	8.83	8.59	8.64	11.37	26
27	11.17	11.02	13.17	12.43	11.05	10.18	9.35	8.96	8.72	8.42	8.77	11.38	27
28	11.15	11.01	13.21	12.45	10.61	9.97	9.38	NR	8.66	8.40	8.88	11.51	28
29	11.12	11.01	13.54	12.63	10.31	9.99	9.26	8.84	8.61	8.55	8.87	11.40	29
30	11.02	11.02	13.70	12.74		10.11	9.26	8.92	8.51	8.52	8.79	11.20	30
31	10.76		13.55	12.54		10.10		8.81		8.66	8.62		31

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12-30-71	0600	13.78									

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 40 34	121 15 55	NW 13 3S 6E	79,000	32.81	12-9-1950	JUL 22-DEC 23 ö JAN 24-FEB 25 JUN 25-OCT 28 ö MAY 29-DATE	JUL 22-DEC 23 ö JAN 24-FEB 25 JUN 25-OCT 28 ö MAY 29-DATE	1931 1959 1959	1959	5.06 0.00 3.3	USCGS USCGS USED

Station located 30 feet above the Durham Ferry Highway bridge, 3 miles below the Stanislaus River, 3.4 miles northeast of Vernalis. Maximum discharge listed at site then in use and present datum. Records furnished by U. S. Geological Survey. Drainage area is 13,540 square miles.

ö - Irrigation season only.

TABLE B-11 (CONT.)
DAILY MEAN GAGE HEIGHT
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1972	G32100	EAGLE LAKE NEAR SUSANVILLE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	11.52	11.35	11.37	11.68	11.90	12.21	12.59	12.56	12.42	12.11	11.56	11.09	1
2	11.51	11.34	11.36	11.68	11.90	12.24	12.60	12.56	12.41	12.10	11.54	11.08	2
3	11.51	11.34	11.37	11.68	11.90	12.28	12.59	12.56	12.40	12.09	11.52	11.07	3
4	11.50	11.34	11.37	11.68	11.90	12.32	12.59	12.56	12.39	12.07	11.52	11.07	4
5	11.50	11.34	11.37	11.68	11.90	12.36	12.58	12.56	12.39	12.05	11.51	11.09	5
6	11.50	11.33	11.39	11.68	11.91	12.37	12.60	12.55	12.38	12.02	11.50	11.08	6
7	11.50	11.33	11.38	11.68	11.94	12.39	12.61	12.53	12.39	11.99	11.48	11.07	7
8	11.50	11.33	11.35	11.68	11.95	12.40	12.59	12.53	12.38	11.95	11.48	11.05	8
9	11.50	11.30	11.35	11.68	11.95	12.42	12.59	12.53	12.35	11.92	11.46	11.03	9
10	11.50	11.32	11.33	11.68	11.95	12.45	12.59	12.52	12.33	11.91	11.45	11.02	10
11	11.50	11.33	11.37	11.68	11.95	12.48	12.57	12.51	12.32	11.90	11.42	10.98	11
12	11.50	11.35	11.38	11.68	11.95	12.51	12.61	12.51	12.31	11.89	11.38	10.98	12
13	11.50	11.36	11.40	11.69	11.95	12.53	12.66	12.50	12.30	11.88	11.35	10.97	13
14	11.50	11.37	11.40	11.71	11.96	12.55	12.65	12.50	12.30	11.87	11.32	10.96	14
15	11.49	11.37	11.41	11.71	11.97	12.56	12.65	12.48	12.29	11.86	11.28	10.95	15
16	11.49	11.36	11.41	11.71	11.99	12.57	12.66	12.46	12.29	11.86	11.24	10.95	16
17	11.46	11.35	11.41	11.71	12.01	12.58	12.66	12.46	12.29	11.85	11.24	10.94	17
18	11.45	11.35	11.40	11.71	12.03	12.59	12.66	12.45	12.28	11.83	11.22	10.92	18
19	11.41	11.34	11.41	11.75	12.04	12.59	12.64	12.45	12.26	11.80	11.21	10.90	19
20	11.42	11.34	11.42	11.79	12.04	12.59	12.63	12.48	12.25	11.77	11.19	10.88	20
21	11.42	11.35	11.43	11.82	12.05	12.59	12.63	12.48	12.24	11.74	11.18	10.87	21
22	11.40	11.35	11.49	11.86	12.08	12.59	12.63	12.47	12.22	11.72	11.18	10.86	22
23	11.41	11.35	11.58	11.90	12.11	12.60	12.61	12.47	12.19	11.70	11.16	10.85	23
24	11.41	11.35	11.64	11.90	12.12	12.59	12.61	12.47	12.17	11.68	11.16	10.83	24
25	11.40	11.35	11.68	11.90	12.13	12.62	12.62	12.46	12.16	11.66	11.14	10.80	25
26	11.40	11.35	11.68	11.90	12.13	12.60	12.60	12.46	12.14	11.63	11.13	10.80	26
27	11.41	11.37	11.68	11.90	12.12	12.60	12.59	12.45	12.13	11.62	11.13	10.81	27
28	11.40	11.37	11.68	11.90	12.15	12.60	12.59	12.45	12.13	11.61	11.13	10.82	28
29	11.36	11.38	11.68	11.90	12.19	12.59	12.58	12.45	12.12	11.60	11.12	10.80	29
30	11.36	11.38	11.68	11.90		12.59	12.56	12.44	12.12	11.59	11.11	10.80	30
31	11.35		11.68	11.90		12.58		12.43		11.57	11.10		31

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
4-12-72	1800	12.72									

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
40 36 45	120 43 34	SW22 32N 11E		12.81	6-10-71		OCT 56-DATE	1956		5095.06	USCGS

Station located on east shore, 14 mi. NW of Susanville.

TABLE B-12

DAILY MAXIMUM AND MINIMUM TIDES

This table shows the water surface elevations for the daily high and low tides referenced to gage datum. The maximum and minimum water surface elevations are reported for those days where normal tide patterns did not occur.

TABLE B-12 (CONT.)
DAILY MAXIMUM AND MINIMUM TIDES
(IN FEET)

WATER YEAR	STATION NUMBER	STATION NAME
1972	A02105	SACRAMENTO RIVER AT SACRAMENTO WEIR

DATE	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	DATE
1	NR	8.53	10.63	12.53 A	11.73 A	13.22	8.12	7.89	8.10	9.73	9.09	9.62	1
	NR	7.90	9.88	11.93 A	11.07 A	12.02	NR	NR	NR	9.01	8.22	8.67	
2	NR	8.76	10.94	12.10 A	11.89 A	13.85	8.02	7.90	8.13	9 79	9.22	9.84	2
	NR	7.94	9.96	11.51 A	11.60 A	13.22	NR	NR	NR	8.92	8.45	8.92	
3	NR	8.72	10.72	11.72 A	11.87 A	13.75 A	8.11	7.91	7.97	9.65	9.54	9.76	3
	NR	7.99	10.05	10.93 A	11.39 A	13.01 A	NR	NR	NR	8.75	8.66	8.80	
4	NR	8.89	10.53	11.07 A	11.39 A	13.01 A	8.23	8.12	7.84	9.59	9.80	9.61	4
	NR	7.99	9.90	10.35 A	10.83 A	12.34 A	NR	NR	NR	8.63	8.55	8.62	
5	NR	8.92	10.35	10.51 A	11.15 A	13.78 A	8.46	NR	NR	9.57	9.54	9.43	5
	NR	8.09	9.84	9.86 A	10.39 A	12.65 A	NR	NR	7.23	8.52	8.24	8.63	
6	NR	8.81	10.20	9.90	11.35 A	14.24 A	8.34	NR	8.29	9.52	9.32	9.39	6
	NR	8.07	9.83	9.53	10.83 A	13.80 A	NR	NR	7.36	8.31	8.14	8.01	
7	NR	8.85	9.74	9.92	11.84 A	14.19 A	8.11	NR	8.53	9.26	9.44	9.44	7
	NR	8.03	9.63	9.41	11.01 A	13.85 A	NR	NR	7.46	8.12	8.18	8.79	
8	NR	8.31	9.84	9.89	11.73 A	14.06 A	8.65	7.93	8.96	9.12	9.36	9.49	8
	NR	8.02	9.43	9.38	11.36 A	13.65 A	NR	NR	7.70	7.94	8.19	8.91	
9	NR	8.58	9.92	9.73	12.55 A	13.65 A	8.81	8.17	8.94	9.15	9.34	9.69	9
	NR	7.95	9.46	9.22	11.27 A	13.19 A	8.19	NR	7.52	7.96	8.01	8.99	
10	NR	8.32	10.02	9.65	13.70 A	13.29 A	8.77	8.36	8.95	9.13	9.32	9.77	10
	NR	7.89	9.46	9.15	12.55 A	13.00 A	8.22	NR	7.58	7.99	8.40	9.11	
11	NR	8.50	10.02	9.69	13.52 A	13.01 A	8.91	8.44	8.95	9.06	9.18	9.89	11
	NR	7.87	9.55	9.12	12.52 A	12.80 A	8.11	NR	7.66	7.95	8.41	9.21	
12	NR	8.55	10.45	9.79	12.51 A	13.98 A	8.86	8.47	9.08	8.98	9.04	9.82	12
	NR	8.18	9.58	9.17	10.83 A	12.39 A	8.28	NR	7.87	7.98	8.36	9.17	
13	NR	8.82	10.22	9.74	10.80 A	13.00 A	9.09	8.59	9.18	8.74	9.15	9.99	13
	NR	8.39	9.84	9.13	10.11 A	12.75 A	8.31	NR	7.11	7.75	8.36	9.33	
14	NR	8.66	10.45	9.74	10.48 A	12.88 A	9.28	8.68	9.12	8.52	9.19	9.98	14
	NR	8.33	9.74	9.08	10.05 A	12.28 A	8.45	NR	7.94	7.63	8.37	9.45	
15	NR	8.53	10.54	9.55	10.29 A	12.28 A	9.79	8.83	8.78	8.96	9.11	10.12	15
	NR	8.31	10.01	8.84	9.70 A	11.96 A	8.94	NR	7.63	7.91	8.32	9.48	
16	NR	8.35	10.33	9.52	9.97 A	12.01	9.70	8.78	8.34	9.68	8.41	10.17	16
	NR	8.18	9.92	8.79	9.45 A	11.56	8.52	NR	7.35	8.19	8.26	9.56	
17	NR	9.05	10.28	9.60	9.75 A	11.93	9.05	8.48	8.05	9.10	9.08	10.22	17
	NR	7.92	9.74	8.80	9.36 A	11.58	8.10	NR	7.20	8.00	8.26	9.47	
18	NR	9.05	10.42	9.58	9.61 A	12.01	8.38	8.16	8.19	9.02	9.22	10.07	18
	NR	8.46	9.75	9.00	9.23 A	11.52	NR	NR	7.59	7.90	8.42	9.29	
19	8.69	9.54	10.32	9.49	9.74 A	11.78	8.15	7.91	8.73	9.02	9.58	9.78	19
	8.19	8.44	9.79	9.00	9.09 A	11.28	NR	NR	7.68	8.02	8.62	8.09	
20	8.83	9.85	10.28	9.41	9.32 A	11.76	7.77	7.88	8.72	9.11	9.55	9.11	20
	8.15	8.94	9.70	9.08	8.63 A	11.11	NR	NR	7.70	7.94	8.59	8.44	
21	8.71	9.92	10.29	9.47	9.29 A	11.55	NR	7.94	8.78	8.89	9.61	9.11	21
	8.18	9.20	9.01	9.04	8.50 A	10.64	NR	NR	7.41	7.73	8.67	8.50	
22	8.92	9.83	10.83	9.48	9.40 A	10.64 A	NR	8.30	8.45	8.99	9.43	9.23	22
	8.04	9.26	9.11	8.92	8.50 A	9.50 A	NR	NR	7.52	8.00	8.61	8.67	
23	9.03	9.71	11.14 A	9.94	9.30	9.48 A	NR	8.80	8.82	9.34	9.55	9.13	23
	8.24	9.23	10.37 A	8.97	8.59	8.36 A	NR	7.92	7.73	8.32	8.74	8.48	
24	8.90	9.49	12.80 A	11.06 A	9.75	8.88	NR	9.16	8.79	9.53	9.78	9.32	24
	8.22	9.14	11.00 A	9.75 A	8.61	8.32	NR	8.38	7.75	8.41	8.96	8.59	
25	8.66	9.61	13.32 A	12.43 A	10.89	9.15	NR	9.16	9.08	9.37	9.63	9.45	25
	8.08	9.11	12.80 A	11.06 A	9.36	8.46	NR	8.28	8.03	8.38	8.00	8.63	
26	8.30	9.52	13.84 A	12.01 A	12.73	8.85	NR	9.14	9.37	9.44	9.54	9.73	26
	7.98	9.04	13.30 A	11.37 A	10.81	8.23	NR	7.94	8.35	8.40	8.79	8.79	
27	8.66	9.72	13.89 A	11.57	12.96	8.81	NR	8.83	9.49	9.29	9.67	9.89	27
	8.04	9.03	13.48 A	11.09	12.66	8.40	NR	NR	8.39	8.35	8.89	9.01	
28	8.48	10.03	14.42 A	11.36	12.94	8.78	NR	8.66	9.68	9.11	9.48	9.26	28
	7.74	9.35	13.65 A	10.85	12.81	8.34	NR	NR	8.77	8.26	8.78	9.07	
29	8.07	10.29	14.12 A	12.00	12.58	8.70	NR	8.45	9.74	9.07	9.50	9.87	29
	7.61	9.54	13.55 A	10.99	12.18	8.04	NR	NR	8.89	8.27	8.60	9.08	
30	8.30	10.45	13.52 A	11.95 A		8.53	NR	8.23	9.54	9.18	8.67	9.87	30
	7.81	9.69	13.02 A	11.51 A		7.81	NR	NR	8.85	8.41	8.26	9.06	
31	8.37		13.01 A	11.63 A		8.36		8.24		8.85	9.31		31
	7.83		12.46 A	11.22 A		NR		NR		8.28	8.55		
MAXIMUM	NR	10.45	14.42	12.53	13.70	14.24	9.79	9.16	9.74	9.79	9.80	10.22	MAXIMUM
MINIMUM	NR	7.87	9.01	8.79	8.50	NR	NR	NR	NR	7.63	8.00	8.01	MINIMUM

A High flows affected the normal tidal pattern. Gage heights listed are maximum and minimum for day.

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R., M.D.B. & M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 36 09	121 33 12	NE 29 9N 4E		33.1	12-23-1955		NOV 26-JULY 37# OCT 37-DATE	1926 1926 1964	 1964	0.00 -3.07 -3.49 -3.00	USED USCGS USCGS USCGS

Station located 100 feet below weir, 4 miles northwest of Sacramento.
- Flood season only.

TABLE B-12 (CONT.)
DAILY MAXIMUM AND MINIMUM TIDES
(IN FEET)

WATER YEAR	STATION NUMBER	STATION NAME
1972	B02100	SACRAMENTO RIVER AT SACRAMENTO

DATE	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	DATE
1	6.33 5.46	5.00 4.07	6.84 5.92	8.53 8.15	7.94 7.26	9.23 A 8.11 A	4.61 3.59	4.42 3.12	4.76 3.16	6.11 5.40	4.96 4.52	6.10 4.95	1
2	6.30 5.57	5.27 4.13	7.25 6.00	8.14 7.73	8.07 7.70	9.85 A 9.25 A	4.56 3.46	4.46 3.03	4.75 3.47	6.22 5.21	5.70 4.75	6.33 5.22	2
3	6.36 5.78	5.23 4.18	6.98 6.13	7.41 7.10	7.95 7.58	9.79 A 9.22 A	4.67 3.51	4.50 3.02	4.55 3.51	6.08 5.02	6.03 4.97	6.23 5.08	3
4	6.41 5.75	5.41 4.17	6.75 6.02	6.80 6.52	7.40 7.02	9.21 A 8.59 A	4.76 3.58	4.81 3.24	4.50 3.62	6.01 4.88	6.32 4.92	6.06 4.93	4
5	6.53 5.75	5.44 4.27	6.52 5.88	6.33 6.01	7.49 6.86	9.91 A 8.85 A	5.00 3.90	4.17 2.83	4.67 3.60	6.01 4.81	6.08 4.61	5.85 4.89	5
6	6.68 5.85	5.32 4.27	6.34 5.84	6.11 5.63	7.57 7.00	10.39 A 9.93 A	4.86 3.70	4.01 3.07	4.80 3.71	5.99 4.64	5.87 4.51	5.80 4.93	6
7	6.70 5.87	5.37 4.20	5.88 5.62	6.17 5.51	8.04 A 7.41 A	10.38 A 9.98 A	4.56 3.85	4.07 3.39	5.09 3.90	5.77 4.43	6.02 4.60	5.83 5.05	7
8	6.71 5.80	5.04 4.20	5.93 5.37	6.19 5.50	7.98 A 7.47 A	10.27 A 9.79 A	5.01 4.36	4.32 3.58	5.55 4.11	5.67 4.28	5.95 4.61	5.85 5.17	8
9	6.52 5.77	4.73 4.09	6.04 5.45	6.03 5.36	8.67 A 7.42 A	9.80 A 9.32 A	5.16 4.69	4.58 3.84	5.56 3.92	5.70 4.29	5.91 4.65	6.05 5.29	9
10	6.27 5.61	4.79 4.00	6.16 5.44	5.96 5.31	9.80 A 8.67 A	9.51 A 9.14 A	5.16 4.44	4.79 3.78	5.53 3.94	5.66 4.32	5.86 4.78	6.12 5.38	10
11	5.67 5.35	5.12 4.03	6.17 5.53	6.01 5.28	9.57 A 8.70 A	9.26 A 8.95 A	5.37 4.38	4.90 3.86	5.50 3.95	5.60 4.28	5.67 4.78	6.25 5.46	11
12	5.87 5.09	5.29 4.36	6.67 5.68	6.15 5.32	8.66 A 7.01 A	9.23 A 8.87 A	5.29 4.57	4.96 3.67	5.61 4.15	5.47 4.28	5.51 4.71	6.11 5.36	12
13	5.79 5.12	5.59 4.62	6.39 5.86	6.11 5.29	6.99 6.47	9.24 A 8.93 A	5.54 4.57	5.11 3.66	5.69 4.19	5.23 4.08	5.61 4.69	6.29 5.50	13
14	5.82 5.06	5.25 4.63	6.64 5.74	6.12 5.27	6.82 6.24	9.03 A 8.43 A	5.65 4.65	5.24 3.74	5.61 4.21	5.00 3.98	5.68 4.71	6.43 5.62	14
15	5.77 5.03	5.09 4.49	6.71 6.01	5.94 5.17	6.49 5.92	8.40 A 8.05 A	6.14 5.16	5.39 3.88	5.25 3.92	5.50 4.28	4.98 4.63	5.86 5.65	15
16	5.45 4.72	5.10 4.32	6.52 5.93	5.92 4.98	6.03 5.64	8.18 A 7.67 A	6.13 4.96	5.34 3.91	4.78 3.62	5.65 4.59	5.59 4.58	6.51 5.75	16
17	5.29 4.55	5.43 4.38	6.48 5.74	5.99 5.01	6.00 5.58	8.12 7.66	5.55 4.36	5.02 3.61	4.51 3.49	4.94 4.39	5.53 4.56	6.57 5.69	17
18	5.23 4.51	5.37 4.54	6.65 5.75	5.94 5.18	5.97 5.43	8.25 7.64	4.72 3.72	4.66 3.46	4.67 3.93	5.58 4.31	5.67 4.70	6.44 5.51	18
19	5.18 4.40	5.82 4.50	6.55 5.82	5.82 5.19	6.15 5.36	8.00 7.39	4.60 3.49	4.39 3.34	5.26 4.05	5.59 4.42	6.06 4.89	6.16 4.94	19
20	5.32 4.34	6.09 4.99	6.51 5.74	5.73 5.22	5.75 4.87	7.97 7.37	4.27 3.16	4.36 3.42	5.24 4.03	5.69 4.32	5.99 4.91	5.51 4.67	20
21	5.20 4.38	6.17 5.24	6.49 5.72	5.79 5.21	5.75 4.79	7.83 6.84	3.85 2.89	4.37 3.57	5.32 3.84	5.46 4.09	6.06 4.95	5.48 4.75	21
22	5.43 4.23	6.05 5.30	7.08 6.09	5.83 5.09	5.89 4.86	7.03 A 5.75 A	3.59 2.59	4.63 4.01	4.99 3.91	5.53 4.32	5.88 4.90	5.60 4.93	22
23	5.55 4.44	5.89 5.24	6.90 6.42	6.24 5.16	5.74 4.91	5.80 A 4.59 A	3.54 3.03	5.15 4.53	5.41 4.09	5.86 4.64	5.99 5.05	5.52 4.75	23
24	5.42 4.43	7.78 5.15	8.78 A 7.18 A	7.14 5.99	6.08 4.80	5.30 A 4.58 A	4.06 3.08	5.51 4.60	5.31 4.09	6.04 4.74	6.20 5.25	5.71 4.84	24
25	5.14 4.29	5.59 5.13	9.34 A 8.79 A	8.60 A 7.08 A	6.97 5.46	5.52 4.65	3.99 3.09	5.58 4.53	5.60 4.35	5.86 4.67	6.02 5.19	5.87 4.88	25
26	5.09 4.13	5.66 5.03	9.84 A 9.25 A	8.09 7.71	8.74 6.89	5.17 4.70	3.85 3.02	5.61 4.28	5.88 4.67	5.91 4.70	5.97 5.11	6.15 5.07	26
27	4.73 4.17	5.88 5.13	10.02 A 9.43 A	7.85 7.26	9.05 8.65	5.14 4.62	4.06 3.16	5.34 3.89	5.98 4.93	5.75 4.68	6.10 5.21	6.30 5.26	27
28	4.89 3.84	6.25 5.40	10.58 A 9.65 A	7.60 6.95	9.10 8.83	5.11 4.57	4.22 2.81	5.23 3.67	6.16 5.15	5.59 4.58	5.93 5.09	6.27 5.31	28
29	4.41 3.69	6.53 5.59	10.19 A 9.64 A	8.22 7.14	8.73 8.32	5.09 4.35	3.57 2.18	5.04 3.46	6.22 5.26	5.55 4.61	5.94 4.90	5.61 5.29	29
30	4.70 3.95	6.66 5.74	9.62 A 9.15 A	7.99 7.67		4.94 4.13	3.45 2.60	4.85 3.24	6.00 5.18	5.64 4.72	5.75 4.50	6.24 5.30	30
31	4.78 3.98		9.13 A 8.68 A	7.77 7.36		4.82 3.90		4.86 3.25		5.55 4.61	5.10 4.81		31
MAXIMUM	6.71	6.66	10.58	8.67	9.80	10.39	6.14	5.61	6.22	6.22	6.32	6.57	MAXIMUM
MINIMUM	3.69	4.00	5.37	4.98	4.79	3.90	2.18	2.83	3.16	3.98	4.50	4.67	MINIMUM

A High flows affected the normal tidal pattern. Gage heights listed are maximum and minimum for day.

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R., M.D.B. & M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 35 20	121 30 15	NW 35 9N 4E	104,000	30.14	11-21 1950	04- 05 JUN 21-NOV 21 " MAY 24-DEC 42 o MAY 43-DATE	JAN 04-JULY 05 20-DATE	1904 1956 1956 1965	1956 1965 	0.12 0.00 2.93 -0.23 0.00	USCGS USCGS USED USCGS USCGS

Station located 1,000 feet above I Street bridge, 0.5 mile below the American River. Below approximately 30,000 cfs the stage-discharge relationship is affected by tidal influence. Maximum discharge listed at site and datum then in use. Drainage area is 23,530 square miles.

" o - Irrigation season only.

TABLE B-12 (CONT.)
DAILY MAXIMUM AND MINIMUM TIDES
(IN FEET)

WATER YEAR	STATION NUMBER	STATION NAME
1972	B91850	SACRAMENTO RIVER NEAR FREEPORT

DATE	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	DATE
1	4.99 3.76	4.16 2.73	5.53 4.10	6.78 6.01	6.00 5.12	6.67 5.78	3.86 2.37	3.81 1.98	4.24 2.14	5.08 3.84	4.79 3.11	4.24 3.59	1
2	4.84 3.99	4.42 2.78	6.07 4.17	6.46 5.64	6.00 5.42	7.33 6.60	3.87 2.27	3.86 1.94	4.14 2.37	5.06 3.79	5.15 3.39	5.50 3.81	2
3	4.94 4.02	4.41 2.86	5.70 4.37	5.67 5.09	5.91 5.40	7.32 6.93	4.01 2.36	3.96 1.99	3.87 2.34	5.02 3.54	4.02 3.54	5.34 3.65	3
4	5.09 3.99	4.62 2.77	5.40 4.21	5.18 4.64	5.63 5.01	6.86 6.20	4.05 2.37	4.33 2.35	3.73 2.38	4.13 3.42	5.46 3.60	5.16 3.53	4
5	5.27 4.04	4.67 2.90	5.06 4.02	4.79 4.19	5.74 4.79	7.19 6.44	4.29 2.71	3.63 1.83	3.89 2.36	5.05 3.46	5.28 3.31	4.92 3.46	5
6	5.46 4.09	4.50 2.90	4.87 3.95	4.65 3.80	4.72 4.94	7.90 7.35	4.04 2.47	3.37 1.96	4.06 2.59	5.14 3.41	5.14 3.21	4.83 3.51	6
7	5.53 4.16	4.54 2.82	4.29 3.71	4.75 3.69	6.03 5.26	7.96 7.38	3.66 2.45	3.32 2.15	4.47 2.82	4.99 3.14	5.33 3.37	4.83 3.61	7
8	5.55 4.10	4.14 2.84	4.31 3.45	4.82 3.73	6.08 5.22	8.01 7.28	3.90 2.86	3.45 2.30	4.97 3.01	4.93 2.98	5.29 3.38	4.78 3.71	8
9	5.35 4.11	3.77 2.69	4.51 3.48	4.64 3.63	6.33 A 5.24 A	7.57 6.84	4.04 2.97	3.74 2.56	5.02 2.80	4.98 3.02	5.21 3.42	4.94 3.79	9
10	5.09 3.93	3.77 2.59	4.68 3.51	4.60 3.49	7.42 A 6.07 A	7.33 6.63	4.08 2.98	3.96 2.52	4.96 2.76	4.93 3.02	5.08 3.49	4.97 3.84	10
11	4.40 3.71	4.22 2.61	4.67 3.70	4.63 3.63	7.38 6.84	7.14 6.74	4.44 3.09	4.12 2.58	4.90 2.72	4.87 2.98	4.80 3.47	5.13 3.90	11
12	4.70 3.46	4.31 2.92	5.31 3.85	4.87 3.51	6.24 5.50	7.09 6.44	4.33 3.17	4.28 2.46	4.94 2.87	4.67 2.96	4.59 3.34	4.88 3.79	12
13	4.58 3.48	4.59 3.17	4.94 4.06	4.87 3.54	5.57 4.64	7.12 6.51	4.67 3.18	4.49 2.50	5.02 2.94	4.42 2.79	4.66 3.32	5.03 3.85	13
14	4.66 3.56	4.15 3.18	5.20 3.87	4.90 3.53	5.44 4.43	6.85 6.05	4.60 3.20	4.65 2.57	4.92 2.98	4.20 2.73	4.78 3.36	5.17 3.94	14
15	4.81 3.59	3.98 3.04	5.23 4.11	4.86 3.50	5.04 4.16	6.32 5.74	5.06 3.59	4.79 2.72	4.54 2.74	4.76 3.03	4.63 3.29	5.28 4.01	15
16	4.41 3.32	3.99 2.87	5.08 4.04	4.86 3.37	4.70 3.90	6.26 5.44	5.21 3.53	4.73 2.75	4.08 2.47	4.93 3.44	4.57 3.24	4.66 4.11	16
17	4.36 3.18	4.41 2.85	5.07 3.84	4.88 3.40	4.59 3.79	6.28 5.45	4.73 3.00	4.37 2.44	3.58 2.30	4.86 3.24	3.47 3.15	5.39 4.09	17
18	4.30 3.15	4.34 3.01	5.31 3.87	4.81 3.54	4.68 3.70	6.51 5.48	4.07 2.38	3.98 2.31	3.96 2.78	3.79 3.20	4.71 3.25	5.32 3.95	18
19	4.27 3.03	4.75 2.95	5.24 3.99	4.59 3.55	5.01 3.81	6.25 5.21	3.80 2.22	3.67 2.18	4.57 2.95	4.90 3.31	5.11 3.47	5.06 3.59	19
20	4.44 2.98	4.90 3.34	5.14 3.93	4.40 3.54	4.70 3.35	6.22 5.22	3.58 1.98	3.68 2.24	4.55 2.88	5.04 3.17	5.01 3.43	4.51 3.21	20
21	4.31 3.01	4.98 3.55	4.98 3.90	4.46 3.49	4.77 3.28	6.22 4.95	3.17 1.69	3.61 2.23	4.63 2.80	4.79 2.91	5.08 3.48	4.44 3.31	21
22	4.56 2.85	4.80 3.61	5.61 4.19	4.60 3.41	4.88 3.34	5.75 4.17	3.00 1.52	3.71 2.67	4.32 2.69	4.83 3.04	4.91 3.42	4.54 3.48	22
23	4.69 3.06	4.57 3.52	5.32 4.54	4.97 3.52	4.77 3.26	4.53 3.09	3.04 1.96	4.19 3.08	4.74 2.91	5.09 3.32	5.03 3.60	4.52 3.35	23
24	4.56 3.06	4.39 3.42	6.55 5.00	5.39 4.03	4.94 3.62	4.21 3.34	3.49 2.14	4.50 3.17	4.55 2.82	5.24 3.38	5.17 3.75	4.71 3.42	24
25	4.20 2.92	4.19 3.40	7.11 6.27	6.76 4.87	5.32 3.70	4.30 3.07	3.44 1.92	4.63 3.13	4.81 3.05	5.02 3.27	4.97 3.71	4.93 3.46	25
26	4.12 2.72	4.27 3.23	7.56 6.67	6.43 5.71	6.48 4.67	3.94 3.17	3.32 1.88	4.81 3.01	5.07 3.35	5.05 3.33	5.01 3.71	5.19 3.60	26
27	3.91 2.78	4.53 3.36	7.87 6.93	6.37 5.21	6.84 6.10	3.96 3.08	3.55 1.95	4.65 2.74	5.12 3.50	4.84 3.25	5.13 3.79	5.30 3.77	27
28	3.06 2.46	5.00 3.61	8.32 7.13	5.86 4.96	6.97 6.31	3.97 3.04	3.84 1.92	4.62 2.56	5.18 3.72	4.68 3.19	5.00 3.68	5.23 3.80	28
29	3.33 2.25	5.30 3.87	8.03 7.42	6.27 4.94	6.62 6.05	4.08 2.92	3.16 1.15	4.46 2.38	5.17 3.68	4.64 3.23	4.98 3.47	5.15 3.75	29
30	3.78 2.53	5.38 4.00	7.55 6.85	6.16 5.48		3.97 2.74	3.30 1.55	4.32 2.22	4.89 3.56	4.66 3.34	4.93 3.31	4.51 3.75	30
31	3.90 2.62		7.18 6.45	5.97 5.22		3.95 2.60		4.32 2.23		4.60 3.20	5.24 3.42		31
MAXIMUM	5.55	5.38	8.32	6.78	7.42	8.01	5.21	4.81	5.18	5.24	5.46	5.50	MAXIMUM
MINIMUM	2.25	2.59	3.45	3.37	3.26	2.60	1.15	1.83	2.14	2.73	3.11	3.21	MINIMUM

A High flows affected the normal tidal pattern. Gage heights listed are maximum and minimum stage for day.

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R., M.D.B. & M	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 28 23	121 31 58	SW 10 7N 4E		23.9	12-23-1955		AUG 1955-DATE	1955	1956	4.93	USCGS
								1956		0.00	USCGS
									1964	-0.43	USCGS
								1964		0.00	USCGS

Station located 10.7 miles below Sacramento, 1.9 miles northwest of Freeport. Maximum gage height listed at present datum.

TABLE B-12 (CONT.)
DAILY MAXIMUM AND MINIMUM TIDES
(IN FEET)

WATER YEAR	STATION NUMBER	STATION NAME
1972	B91750	SACRAMENTO RIVER AT SNODGRASS SLOUGH

DATE	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	DATE
1	6.95 4.95	6.64 4.39	7.63 5.19	8.33 6.61	7.38 5.78	7.44 6.19	6.38 4.09	6.41 3.75	6.89 4.02	7.28 5.23	7.23 4.73	7.95 5.14	1
2	6.85 5.07	6.91 4.35	8.31 5.20	8.09 6.33	7.13 5.92	7.77 6.54	6.44 4.00	6.48 3.77	6.73 4.20	7.33 5.31	7.59 4.95	6.69 5.38	2
3	6.86 5.14	6.91 4.42	7.82 5.49	7.25 6.06	7.01 5.84	7.96 6.91	6.59 4.15	6.61 3.91	6.40 4.14	7.35 5.03	7.93 5.07	7.76 5.17	3
4	7.16 5.19	7.15 4.32	7.45 5.25	6.87 5.49	7.08 5.69	7.97 6.66	6.60 4.10	6.96 4.35	6.37 4.10	7.42 4.92	6.12 5.11	7.57 5.02	4
5	7.41 5.21	7.19 4.45	7.00 5.04	6.53 5.14	7.30 5.64	7.98 6.82	6.86 4.47	6.28 3.77	5.68 4.11	6.05 5.11	7.76 4.89	7.32 4.93	5
6	7.60 5.25	6.99 4.47	6.79 4.91	6.52 4.89	7.20 5.80	8.51 7.44	6.50 4.18	5.95 3.84	6.59 4.47	7.55 5.03	7.67 4.80	7.22 5.00	6
7	7.72 5.33	7.01 4.36	5.98 4.71	6.71 4.85	7.27 5.89	8.63 7.41	6.06 4.04	5.86 3.90	7.05 4.67	7.45 4.72	7.91 5.02	7.16 5.10	7
8	7.77 5.30	6.55 4.41	6.06 4.43	6.81 4.97	7.40 5.79	8.92 7.47	6.13 4.28	5.89 3.98	7.56 4.81	7.45 4.63	7.84 5.06	7.03 5.21	8
9	7.53 5.33	6.06 4.28	6.36 4.43	6.63 4.83	7.58 6.18	8.49 7.05	6.24 4.43	6.20 4.24	7.66 4.62	7.52 4.64	7.76 5.10	7.16 5.28	9
10	7.23 5.19	6.14 4.15	6.61 4.50	6.57 4.63	8.24 6.76	8.32 6.89	6.34 4.52	6.43 4.23	7.57 4.47	7.45 4.62	7.58 5.12	7.17 5.29	10
11	6.81 4.98	6.61 4.20	6.57 4.84	6.63 4.61	8.30 7.28	8.24 6.78	6.83 4.67	6.64 4.20	7.51 4.38	7.38 4.58	7.23 5.08	7.35 5.35	11
12	6.66 4.76	6.69 4.54	7.32 5.02	6.96 5.28	7.65 6.39	8.22 6.82	6.72 4.74	6.85 4.14	7.51 4.46	7.17 4.52	6.94 4.94	7.01 5.23	12
13	6.52 4.77	6.98 4.75	6.86 4.92	7.03 4.69	7.47 5.51	8.27 6.86	7.12 4.71	7.08 4.21	7.59 4.56	6.88 4.39	7.01 4.94	7.12 5.13	13
14	6.82 5.01	6.46 4.54	7.18 5.34	7.10 4.69	7.40 5.41	7.88 6.84	6.95 4.67	7.26 4.30	7.46 4.64	6.67 4.40	7.16 5.01	7.23 5.19	14
15	7.17 5.10	6.27 4.69	7.13 5.12	7.14 4.69	6.99 5.29	7.47 6.20	7.36 4.89	7.39 4.46	7.07 4.43	7.27 4.78	7.00 4.97	7.38 5.26	15
16	6.72 4.89	6.29 4.34	7.02 5.00	7.19 4.66	6.60 5.03	7.56 6.00	7.64 4.98	7.33 4.49	6.60 4.21	7.41 5.29	6.92 4.84	7.51 5.37	16
17	6.73 4.82	6.78 4.27	7.07 4.81	7.17 4.72	6.47 4.89	7.78 6.04	7.24 4.51	6.94 4.17	6.51 4.08	7.37 5.11	7.08 4.70	6.63 5.39	17
18	6.67 4.80	6.68 4.44	7.37 4.87	7.03 4.82	6.71 4.88	8.11 6.11	6.63 4.01	6.56 4.10	7.13 4.65	7.40 5.14	7.46 4.76	7.43 5.26	18
19	6.67 4.62	7.08 4.35	7.32 5.04	6.72 4.82	7.22 5.16	7.83 5.81	6.33 3.84	6.21 3.96	6.09 4.84	7.57 5.14	6.14 4.95	7.28 5.00	19
20	6.89 4.59	7.11 4.66	7.18 5.00	6.41 4.78	6.99 4.74	7.84 5.82	6.13 3.75	6.24 4.04	7.09 4.78	5.88 4.97	7.36 4.88	6.81 4.65	20
21	6.72 4.57	7.16 4.78	6.91 4.97	6.48 4.69	7.11 4.69	7.92 5.78	5.74 3.53	6.14 3.92	7.17 4.58	7.34 4.67	7.42 4.90	6.75 4.74	21
22	6.99 4.41	6.90 4.83	7.52 5.18	6.72 4.66	7.22 4.73	7.73 5.37	5.60 3.47	6.15 4.35	6.89 4.46	7.38 4.71	7.27 4.85	6.82 4.96	22
23	7.13 4.61	6.56 4.73	6.92 5.59	7.18 4.88	7.12 4.63	6.69 4.48	5.71 3.96	6.61 4.63	7.28 4.65	7.59 4.93	7.41 5.05	6.86 4.89	23
24	6.98 4.63	6.30 4.59	7.62 5.64	7.19 5.11	7.22 4.87	6.50 4.42	6.09 4.11	6.83 4.66	7.06 4.49	7.69 4.92	7.50 5.18	7.07 4.96	24
25	6.53 4.49	6.11 4.55	8.17 6.52	8.28 5.92	7.24 5.37	6.45 4.51	6.04 3.89	7.02 4.67	7.29 4.67	7.47 4.79	7.27 5.14	7.33 4.98	25
26	6.43 4.26	6.24 4.39	8.58 6.90	8.08 5.93	7.70 6.06	6.10 4.43	5.93 3.74	7.28 4.63	7.56 4.96	7.49 4.85	7.36 5.25	7.57 5.04	26
27	6.25 4.32	6.60 4.58	9.01 7.30	8.17 6.46	7.83 6.25	6.15 4.51	6.17 3.84	7.21 4.45	7.57 4.98	7.27 4.72	7.47 5.37	7.65 5.17	27
28	5.23 4.06	7.16 4.89	9.32 7.62	7.50 5.78	8.00 6.45	6.19 4.49	6.52 3.93	7.22 4.34	7.54 5.06	7.09 4.72	7.38 5.23	7.54 5.17	28
29	5.61 3.79	7.52 5.23	9.20 7.86	7.66 5.56	7.61 6.48	6.41 4.43	5.88 3.19	7.08 4.22	7.43 4.99	7.04 4.82	7.36 5.05	7.41 5.08	29
30	6.15 4.07	7.55 5.34	8.87 7.23	7.58 5.93		6.32 4.28	5.97 3.43	6.96 4.11	7.10 4.83	7.04 4.92	7.42 5.05	7.51 5.08	30
31	6.34 4.27		8.62 6.91	7.46 5.78		6.39 4.22		6.95 4.10		6.99 4.76	7.70 4.95		31
MAXIMUM	7.77	7.55	9.32	8.33	8.30	8.92	7.64	7.39	7.66	7.69	7.93	7.95	MAXIMUM
MINIMUM	3.79	4.15	4.43	4.61	4.63	4.22	3.19	3.75	4.02	4.39	4.70	4.65	MINIMUM

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R., M.D.B. & M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 21 02	121 31 56	SW 22 6N 4E		20.57	12-25-1964		AUG 1939-DATE	1939		0.00	USED
								1939		-3.02	USCGS
									1964	-3.40	USCGS
								1964		-3.00	USCGS

Station located 0.2 mile above head of slough (leveed off from river), west of State Highway 160, 2.5 miles northeast of Courtland. At times, tidal fluctuation is influenced by operation of the Delta Cross Channel gates.

TABLE B-12 (CONT.)
DAILY MAXIMUM AND MINIMUM TIDES
(IN FEET)

WATER YEAR	STATION NUMBER	STATION NAME
1972	B91650	SACRAMENTO RIVER AT WALNUT GROVE

DATE	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	DATE
1	3.54 0.64	3.44 0.35	4.23 1.40	4.66 1.86	3.60 1.04	3.29 1.30	3.22 0.21	3.33 -0.12	3.84 0.25	3.91 1.22	3.97 0.86	4.74 1.12	1
2	3.46 0.74	3.74 0.73	4.97 0.73	4.47 1.67	3.16 1.10	3.34 1.41	3.32 0.14	3.39 -0.08	3.64 0.41	3.99 1.38	4.35 0.96	3.40 1.37	2
3	3.42 0.84	3.75 0.37	4.40 1.07	3.63 1.62	2.97 0.93	3.67 1.62	3.47 0.31	3.54 0.13	3.27 0.33	4.01 1.09	4.70 1.05	4.53 1.10	3
4	3.76 0.97	3.98 0.25	4.07 0.76	3.26 0.83	3.31 0.98	4.01 2.00	3.47 0.23	3.88 0.67	3.23 0.25	4.10 1.04	2.80 1.05	4.32 0.95	4
5	4.04 0.94	4.04 0.39	3.58 0.54	2.95 0.61	3.64 1.17	3.88 2.09	3.74 0.60	3.21 0.00	2.48 0.29	4.27 1.31	4.59 0.85	4.07 0.86	5
6	4.24 0.96	3.81 0.41	3.32 0.38	3.07 0.50	3.50 1.17	4.18 2.34	3.36 0.28	2.87 0.04	3.46 0.79	2.66 1.09	4.50 0.80	3.95 0.95	6
7	4.39 1.05	3.81 0.31	2.42 0.23	3.31 0.58	3.38 1.12	4.34 2.32	2.91 0.10	2.72 0.05	3.95 0.89	4.24 0.79	4.73 1.08	3.87 1.06	7
8	4.44 1.02	3.34 0.37	2.55 -0.04	3.44 0.79	3.54 1.02	4.79 2.53	2.88 0.20	2.72 0.10	4.46 0.95	4.24 0.72	4.69 1.15	3.72 1.19	8
9	4.20 1.08	2.82 0.26	2.83 -0.04	3.27 0.54	3.77 1.16	4.34 2.13	2.96 0.34	3.01 0.37	4.56 0.76	4.34 0.74	4.59 1.20	3.83 1.23	9
10	3.91 0.95	2.90 0.15	3.18 0.10	3.21 0.29	4.00 1.44	4.22 1.97	3.04 0.50	3.24 0.30	4.50 0.52	4.24 0.68	4.38 1.20	3.83 1.26	10
11	3.50 0.76	3.36 0.23	3.13 0.50	3.28 0.23	4.07 1.32	5.14 1.92	3.55 0.74	3.49 0.22	4.41 0.38	4.18 0.67	3.99 1.16	3.99 1.27	11
12	3.32 0.58	3.47 0.62	3.86 0.81	3.65 0.31	4.01 0.92	4.24 1.96	3.47 0.78	3.74 0.20	4.38 0.44	3.95 0.59	3.67 1.00	3.68 1.18	12
13	3.18 0.61	3.73 0.84	3.44 0.48	3.73 0.34	4.01 1.60	4.30 2.02	3.89 0.69	3.98 0.25	4.47 0.58	3.64 0.49	3.74 1.02	3.79 0.95	13
14	3.51 0.96	3.23 0.47	3.75 0.66	3.80 1.47	3.97 0.98	3.79 1.29	3.71 0.52	4.19 0.38	4.31 0.68	3.45 0.55	3.91 1.16	3.87 0.97	14
15	3.85 1.11	3.11 0.24	3.71 0.47	3.87 0.34	3.57 0.89	3.46 1.35	4.07 0.68	4.30 0.55	3.90 0.50	4.03 1.04	3.76 1.17	4.02 1.04	15
16	3.46 0.94	3.08 0.70	3.61 1.40	3.93 0.41	3.16 0.67	3.66 1.22	4.37 0.86	4.21 0.60	3.43 0.35	4.18 1.59	3.71 0.86	4.15 1.17	16
17	3.50 0.86	3.54 0.16	3.68 0.27	3.90 0.49	3.02 0.57	4.05 1.33	4.05 0.46	3.84 0.27	3.38 0.26	4.15 1.45	3.87 0.70	4.06 1.18	17
18	3.45 0.98	3.51 0.28	3.99 0.37	3.72 0.57	3.32 0.63	4.45 1.38	3.55 0.11	3.44 0.26	3.97 0.92	4.18 1.56	4.23 0.71	3.09 1.04	18
19	3.46 0.64	3.83 0.18	3.95 0.58	3.38 0.59	3.90 1.03	4.16 1.05	3.22 -0.14	3.13 0.11	2.89 1.15	4.40 1.38	2.80 0.84	3.96 0.82	19
20	3.69 0.63	3.81 0.41	3.79 0.57	3.03 0.55	3.72 0.63	4.19 1.06	2.99 -0.10	2.72 0.23	3.95 1.06	2.73 1.19	4.11 0.76	3.53 0.55	20
21	3.52 0.57	3.84 0.47	3.51 0.55	3.10 0.44	3.88 0.60	4.33 1.16	2.62 -0.25	3.01 0.08	4.05 0.68	4.18 0.85	4.18 0.79	3.46 0.66	21
22	3.80 0.40	3.56 0.50	4.05 0.71	3.37 0.49	3.99 0.61	4.31 1.04	2.50 -0.22	2.98 0.46	3.73 0.57	4.24 0.81	4.03 0.73	3.52 0.91	22
23	3.95 0.60	3.17 0.40	3.36 1.18	3.87 0.82	3.89 0.52	3.39 0.30	2.63 0.32	3.40 0.66	4.12 0.82	4.41 0.95	4.15 0.95	3.60 0.90	23
24	3.80 0.62	2.86 0.25	3.83 1.00	3.74 0.74	3.94 0.62	3.27 0.30	2.99 0.44	3.57 0.61	3.88 0.61	4.49 0.89	4.19 1.04	3.80 0.94	24
25	3.35 0.48	2.68 0.22	4.10 1.55	4.59 1.43	3.85 0.81	3.13 0.33	2.94 0.16	3.81 0.65	4.09 0.76	4.26 0.74	3.97 1.03	4.06 0.91	25
26	3.20 0.22	2.81 0.07	4.46 1.92	4.45 1.21	3.88 1.21	2.83 0.31	2.88 0.00	4.07 0.66	4.35 1.05	4.25 0.79	4.08 1.24	4.31 0.94	26
27	3.06 0.31	3.22 0.33	5.21 2.49	4.62 1.14	3.77 1.71	2.85 0.43	3.10 0.07	4.07 0.55	4.35 0.99	4.03 0.64	4.18 1.39	4.38 1.03	27
28	2.34 0.07	3.78 0.71	5.26 2.58	3.91 1.64	3.95 1.36	2.88 0.42	3.44 0.24	4.12 0.48	4.27 0.99	3.85 0.70	4.11 1.28	4.26 1.00	28
29	2.42 -0.23	4.19 0.91	5.22 2.28	3.92 0.77	3.54 1.59	3.12 0.41	2.91 -0.50	4.00 0.41	4.10 0.88	3.80 0.85	4.10 1.14	4.12 0.89	29
30	2.93 0.12	4.21 0.76	5.01 2.89	3.81 1.00		3.07 0.29	2.97 -0.36	3.89 0.33	3.77 0.71	3.76 0.97	4.24 1.01	4.22 0.89	30
31	3.19 0.38		4.85 2.06	3.75 0.96		3.19 0.26		3.88 0.32		3.74 0.81	4.49 0.95		31
MAXIMUM	4.44	4.21	5.26	4.66	4.07	5.14	4.37	4.30	4.56	4.49	4.73	4.74	MAXIMUM
MINIMUM	-0.23	0.07	-0.04	0.23	0.52	0.26	-0.50	-0.12	0.25	0.49	0.70	0.55	MINIMUM

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R., M.D.B & M	CFS	GAGE HT	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 14 22	121 30 57	SW 35 5N 4E		12.24	12-25-1964		FEB 1929-DATE	1929	1931	0.00	USED
								1931	1940	0.33	USED
								1940		0.00	USCGS
								1940		2.84	USED
									1964	-0.69	USCGS
								1964		0.00	USCGS

Station located at head of Georgiana Slough, immediately southwest of Walnut Grove. At times, tidal fluctuation is influenced by operation of the Delta Cross Channel gates.

TABLE B-12 (CONT.)
DAILY MAXIMUM AND MINIMUM TIDES
(IN FEET)

WATER YEAR	STATION NUMBER	STATION NAME
1972	B91560	YOLO BYPASS NEAR LISBON

DATE	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	DATE
1	6.26 2.19	6.28 2.31	6.98 2.22	7.34 2.63	6.59 2.58	6.33 2.65	6.01 1.89	6.21 1.64	6.76 2.10	6.74 2.93	6.70 2.70	6.02 2.98	1
2	6.26 2.19	6.55 2.03	7.72 2.17	7.12 2.40	6.18 2.45	6.40 2.80	6.22 1.86	6.27 1.76	6.56 2.35	6.89 3.12	7.07 2.82	7.54 3.33	2
3	6.23 2.28	6.57 2.03	7.22 2.55	6.26 2.40	5.94 2.21	6.52 2.87	6.40 2.06	6.39 2.05	6.16 2.26	6.76 2.70	5.69 2.88	7.36 2.88	3
4	6.49 2.45	6.79 1.91	6.79 2.24	6.33 1.98	6.21 2.39	6.52 2.66	6.36 1.97	6.83 3.00	5.76 2.11	5.58 2.68	7.43 2.78	7.14 2.71	4
5	6.77 2.40	6.81 2.09	6.42 1.99	6.16 2.20	6.55 2.76	6.31 2.40	6.54 2.54	6.20 2.26	6.10 2.23	6.86 3.16	7.33 2.48	6.92 2.61	5
6	6.93 2.46	6.60 2.07	5.98 1.96	6.16 2.20	6.58 2.98	6.32 2.48	6.26 2.10	5.81 2.19	6.32 2.81	7.06 2.74	7.29 2.39	6.81 2.68	6
7	7.08 2.53	6.63 2.02	5.10 1.50	6.27 2.29	6.43 3.28	6.41 2.52	5.74 1.84	5.72 1.99	6.78 2.85	7.09 2.36	7.51 2.75	6.76 2.71	7
8	7.08 2.52	6.19 2.14	5.36 1.48	6.34 2.61	6.60 3.37	7.04 2.92	5.75 1.84	5.57 1.98	7.35 2.97	7.05 2.17	7.55 2.83	6.61 2.99	8
9	6.87 2.59	6.63 2.06	5.66 1.52	6.14 2.20	6.76 3.04	6.55 2.40	5.81 2.10	5.82 2.35	7.44 2.59	7.18 2.18	7.48 2.79	6.73 3.15	9
10	6.64 2.49	5.86 1.98	5.96 1.72	6.10 1.88	6.96 2.90	6.46 2.23	5.94 2.23	6.09 2.03	7.42 2.25	7.12 2.08	7.20 2.81	6.66 2.99	10
11	6.21 2.35	6.35 2.10	5.94 2.17	6.15 1.74	6.97 2.79	6.49 2.21	6.62 2.72	6.27 1.83	7.21 1.84	7.05 2.01	6.88 2.99	6.82 3.12	11
12	5.78 2.14	6.37 2.52	6.77 2.53	6.47 1.83	6.96 3.83	6.57 2.30	6.54 2.73	6.48 1.73	7.22 1.93	6.77 1.86	6.54 2.86	6.40 2.93	12
13	6.07 2.21	6.74 2.94	6.15 2.00	6.54 1.81	7.01 2.72	6.72 2.51	6.83 2.14	6.74 1.82	7.36 2.23	6.48 1.75	6.54 2.85	6.51 2.68	13
14	6.31 2.60	6.06 2.13	6.60 2.21	6.61 3.42	6.95 2.77	6.45 2.71	6.41 1.81	7.00 2.01	7.31 2.46	6.31 1.95	6.67 3.12	6.63 2.76	14
15	6.49 2.86	5.71 1.75	6.46 3.28	6.70 1.82	6.59 2.56	6.33 2.58	6.75 2.09	7.12 2.24	6.81 2.27	6.88 2.80	6.52 3.18	6.83 2.84	15
16	6.31 2.74	5.77 2.30	6.37 1.91	6.79 1.97	6.20 2.32	6.45 2.39	7.14 2.40	7.06 2.42	6.37 2.13	7.12 3.67	6.50 2.76	6.97 3.04	16
17	6.35 2.67	6.34 1.77	6.42 1.69	6.80 2.08	6.09 2.19	6.81 2.58	6.78 1.77	6.64 1.95	6.30 2.08	7.05 3.53	6.61 2.61	6.06 3.03	17
18	6.32 2.88	6.12 1.87	6.63 1.79	6.69 2.22	6.30 2.28	7.13 2.50	5.89 1.50	6.25 2.06	5.82 2.99	7.17 3.63	5.49 2.62	6.91 2.81	18
19	6.32 2.40	6.59 1.70	6.65 1.97	6.39 2.25	6.85 2.85	6.87 2.17	5.87 1.49	5.95 1.94	6.87 3.18	5.69 3.41	7.16 2.66	6.74 2.56	19
20	6.42 2.45	6.60 2.03	6.57 2.08	6.10 2.23	6.66 2.37	6.92 2.29	5.92 1.77	6.01 2.12	6.75 3.04	7.29 3.12	7.00 2.50	6.32 2.19	20
21	6.33 2.27	6.62 2.06	6.29 2.03	6.13 2.19	6.76 2.39	7.12 2.61	5.54 1.66	5.91 1.91	6.78 2.67	7.08 2.62	7.02 2.43	6.25 2.35	21
22	6.61 2.16	6.38 2.10	6.92 2.44	6.37 2.30	6.90 2.44	7.18 2.60	5.45 1.72	5.83 2.31	6.71 2.94	6.96 2.54	6.82 2.31	6.33 2.56	22
23	6.71 2.44	6.04 2.01	6.29 2.85	6.78 2.61	6.81 2.31	6.21 1.79	5.59 2.41	6.34 2.58	7.05 2.56	7.18 2.67	6.93 2.59	6.38 2.51	23
24	6.58 2.38	5.75 1.84	6.69 2.47	6.54 2.18	6.87 2.27	6.10 1.88	6.00 2.42	6.54 2.41	6.77 2.14	7.27 2.49	7.09 2.71	6.55 2.64	24
25	6.18 2.24	5.57 1.81	6.80 2.69	7.62 3.23	6.64 2.13	5.83 1.74	5.92 1.95	6.67 2.49	6.93 2.30	7.03 2.40	6.82 2.64	6.83 2.62	25
26	6.07 2.03	5.69 1.66	7.18 3.10	7.64 3.18	6.66 3.15	5.39 1.80	5.74 1.78	6.94 2.44	7.24 2.62	7.04 2.40	7.00 2.94	7.12 2.66	26
27	5.76 2.11	5.99 1.93	7.50 2.99	7.89 4.62	6.66 2.30	5.48 1.99	6.07 1.96	6.92 2.30	7.29 2.55	6.80 2.16	7.06 3.20	7.14 2.78	27
28	4.60 1.50	6.56 2.43	7.71 3.40	6.99 3.14	6.98 2.60	5.65 2.10	6.45 2.12	6.97 2.22	7.20 2.47	6.59 2.22	6.94 3.05	6.94 2.65	28
29	5.11 1.50	6.92 2.43	8.03 4.46	6.90 2.44	6.53 3.01	5.92 1.86	5.73 1.49	6.86 2.21	6.97 2.23	6.55 2.43	6.89 2.93	6.81 2.52	29
30	5.76 1.91	6.87 3.01	7.75 3.21	6.82 2.42		5.87 1.93	5.82 1.49	6.81 2.21	6.54 2.03	6.50 2.73	7.06 2.86	6.04 2.53	30
31	5.88 2.02		7.65 3.07	6.79 2.38		6.10 1.86		6.85 2.32		6.46 2.56	7.29 2.87		31
MAXIMUM	7.08	6.92	8.03	7.89	7.01	7.18	7.14	7.12	7.44	7.29	7.55	7.54	MAXIMUM
MINIMUM	1.50	1.66	1.48	1.74	2.13	1.74	1.49	1.64	1.84	1.75	2.31	2.19	MINIMUM

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R., M.D.B. & M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 28 30	121 35 14	SE 1 7N 3E					FEB 1959-DATE	1959	1962	0.43	USED
								1962		0.00	USED
								1962		-3.04	USCGS
									1964	-3.39	USCGS
								1964		-3.00	USCGS

Station located in West Cut, 6.9 miles south of Interstate 80, 5.2 miles northwest of Clarksburg.

TABLE B-12 (CONT.)
DAILY MAXIMUM AND MINIMUM TIDES
(IN FEET)

WATER YEAR	STATION NUMBER	STATION NAME
1972	B91210	SACRAMENTO RIVER AT RIO VISTA

DATE	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	DATE
1	6.32 1.80	6.50 1.70	7.14 1.68	7.22 1.74	6.44 2.02	5.92 2.32	6.22 1.89	6.34 1.42	6.85 1.90	6.84 2.78	7.02 2.86	7.66 2.83	1
2	6.30 1.90	6.82 1.62	7.89 2.04	7.02 1.90	5.93 2.90	6.00 2.42	6.34 1.85	6.39 1.52	6.60 2.14	6.93 3.02	7.36 2.76	7.44 2.94	2
3	6.28 2.08	6.80 1.40	7.37 3.65	6.38 1.80	5.73 1.92	6.14 2.50	6.46 2.05	6.52 1.86	6.15 2.08	6.97 2.84	7.68 2.77	6.02 2.60	3
4	6.64 2.18	7.04 3.10	6.97 1.68	6.04 1.69	6.15 2.30	6.24 2.29	6.40 1.94	6.83 2.38	6.21 2.06	7.16 2.92	7.60 2.61	7.25 2.43	4
5	6.94 2.10	7.04 1.60	6.46 1.49	5.77 1.70	6.48 2.82	6.04 2.03	6.65 2.45	6.11 1.83	6.52 2.24	7.32 3.01	5.64 2.39	7.05 2.35	5
6	7.16 2.30	6.78 1.70	6.18 1.41	5.94 1.88	6.30 2.66	6.05 2.12	6.17 2.02	5.70 1.81	7.04 2.89	7.34 2.64	7.56 2.27	6.94 2.55	6
7	7.32 3.50	6.70 1.68	5.20 1.21	6.21 2.29	6.10 2.26	6.22 2.19	5.73 1.76	5.66 1.80	7.55 2.80	5.49 2.23	7.77 2.66	6.85 2.66	7
8	7.30 2.20	6.22 1.80	5.48 1.09	6.33 2.65	6.29 2.12	6.80 2.67	5.66 1.69	5.08 1.85	5.73 2.63	7.37 2.09	7.79 2.69	6.65 2.91	8
9	7.04 2.42	5.70 1.76	5.73 1.36	6.15 2.17	6.53 2.10	6.36 2.16	5.78 1.85	5.99 2.22	7.61 2.32	7.45 2.03	7.68 2.79	6.72 3.05	9
10	6.74 2.30	5.80 1.78	6.10 1.74	6.09 1.71	6.71 2.02	6.33 1.95	5.91 2.07	6.27 1.91	7.61 1.88	7.40 1.91	7.41 2.81	6.72 3.13	10
11	6.34 2.10	6.40 1.98	6.03 2.02	6.14 1.51	6.79 1.91	6.43 1.91	6.40 2.52	6.55 1.67	7.51 1.66	7.37 1.92	7.00 2.81	6.87 2.96	11
12	6.16 2.00	6.40 2.50	6.82 2.31	6.53 1.58	6.86 1.89	6.55 1.93	6.41 2.42	6.86 1.55	7.47 1.72	7.09 1.89	6.61 2.76	6.57 2.83	12
13	6.30 2.01	6.60 2.70	6.33 1.78	6.64 1.56	6.89 2.11	6.62 2.06	6.84 2.06	7.16 1.57	7.54 1.95	6.74 1.87	6.70 2.88	6.65 2.63	13
14	6.32 2.50	6.16 2.00	6.67 1.94	6.71 1.53	6.89 2.00	6.38 2.08	6.69 1.70	7.35 1.70	7.35 2.09	6.53 2.09	6.83 3.18	6.72 2.69	14
15	6.62 2.70	6.08 1.68	6.59 1.58	6.80 1.64	6.48 1.84	6.18 2.19	7.04 1.79	7.43 1.90	6.89 2.00	7.10 2.83	6.69 3.18	6.83 2.77	15
16	6.38 2.66	6.02 1.50	6.49 1.30	6.89 1.73	6.08 1.85	6.43 2.20	7.30 2.04	7.25 1.97	6.36 1.98	7.21 3.47	6.64 2.71	6.94 2.85	16
17	6.44 2.50	6.48 1.60	6.58 1.46	6.87 3.47	5.91 2.09	6.88 2.36	7.02 1.68	6.81 1.65	6.44 2.07	7.18 3.48	6.78 2.53	6.87 2.83	17
18	6.34 2.20	6.52 1.48	6.90 1.70	6.63 1.81	6.25 2.37	7.21 2.36	6.52 1.43	6.33 1.76	7.01 2.94	7.24 3.48	7.11 2.45	6.80 2.55	18
19	6.38 2.20	6.74 1.68	6.86 1.70	6.29 1.87	6.86 2.63	6.97 1.94	6.14 1.27	6.13 1.90	6.92 3.28	7.39 3.30	6.97 2.49	5.76 2.30	19
20	6.60 2.04	6.68 3.88	6.69 3.78	5.90 1.90	6.70 2.20	7.02 2.03	5.90 1.51	6.01 2.13	7.03 3.07	7.19 3.04	7.08 2.33	6.44 2.07	20
21	6.44 1.80	6.68 1.68	6.38 1.72	5.99 1.88	6.86 2.17	7.13 2.26	5.56 1.43	5.96 1.99	6.88 2.63	7.22 2.58	5.66 2.33	6.43 2.23	21
22	6.70 3.70	6.40 1.76	6.98 2.02	6.32 2.17	6.91 2.17	7.08 2.36	5.28 1.64	4.93 2.33	5.58 2.58	5.73 2.50	6.99 2.21	6.43 2.57	22
23	6.82 2.08	5.98 1.70	6.17 2.60	6.82 2.40	6.83 1.98	6.24 1.62	5.72 2.26	6.39 2.41	7.16 2.43	7.37 2.53	7.13 2.46	6.58 2.56	23
24	6.64 2.10	5.64 1.54	6.58 2.10	6.64 1.88	6.84 1.93	6.07 1.68	6.07 2.38	6.52 2.23	6.91 2.13	7.44 2.42	7.16 2.54	6.80 2.48	24
25	6.18 2.00	5.54 1.50	6.80 2.58	7.47 2.37	6.75 1.87	6.02 1.76	5.95 1.98	6.77 2.24	7.13 2.20	7.26 2.22	6.93 2.57	7.08 3.02	25
26	6.04 1.78	5.70 1.40	7.18 2.76	7.30 2.11	6.72 1.89	5.69 1.81	5.96 1.74	7.04 2.22	7.38 2.54	7.25 2.26	7.03 2.92	7.33 2.43	26
27	5.88 1.88	6.10 1.88	7.52 2.54	7.58 2.08	6.51 2.09	5.73 2.03	6.21 1.77	7.10 2.11	7.39 2.39	7.05 2.08	7.12 3.19	7.32 2.48	27
28	5.18 1.40	6.64 2.10	7.54 2.24	6.79 1.55	6.66 2.41	5.79 2.09	6.42 1.92	7.14 2.06	7.26 2.33	6.85 2.25	7.10 3.13	7.17 2.44	28
29	5.36 1.10	7.10 2.10	7.54 1.98	6.79 1.74	6.24 2.25	6.03 1.98	5.97 1.12	6.98 2.03	7.07 2.18	6.78 2.48	7.11 2.89	7.02 2.34	29
30	5.90 1.68	7.10 1.80	7.40 1.80	6.67 1.78		6.02 1.90	6.08 1.23	6.93 1.97	6.72 2.03	6.68 2.75	7.28 2.67	7.03 2.38	30
31	6.22 1.90		7.34 1.80	6.59 3.16		6.15 1.90		6.89 1.94		6.73 2.65	7.47 2.68		31
MAXIMUM	7.32	7.10	7.89	7.58	6.91	7.21	7.30	7.43	7.61	7.45	7.79	7.66	MAXIMUM
MINIMUM	1.10	1.40	1.09	1.51	1.84	1.62	1.12	1.42	1.66	1.87	2.21	2.07	MINIMUM

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R., M.D.B. & M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 08 42	121 41 30	SW 31 4N 3E		10.2	12-26-1955		1925-DATE	1925		0.00	USED
								1961		-0.57	USED
								1961		-3.63	USCGS
									1964	-3.80	USCGS
								1964		-3.00	USCGS

Station located on dock at U. S. Engineers Transportation Depot, 1.1 miles below State Highway 12 bridge.

TABLE B-12 (CONT.)

DAILY MAXIMUM AND MINIMUM TIDES

(IN FEET)

WATER YEAR	STATION NUMBER	STATION NAME
1972	B91110	SACRAMENTO RIVER AT COLLINSVILLE

DATE	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	DATE
1	5.08 1.47	5.76 1.31	6.43 1.25	6.45 1.32	5.69 1.69	5.02 1.81	5.50 1.46	5.61 1.04	6.05 1.47	5.90 2.14	6.09 2.34	6.74 2.21	1
2	5.60 1.59	5.07 1.24	7.09 1.53	6.27 1.49	5.21 1.48	5.17 1.95	5.57 1.45	5.66 1.14	5.78 1.59	5.92 2.33	6.42 2.25	6.52 2.23	2
3	5.57 1.74	5.06 1.06	6.64 1.23	5.78 3.13	4.93 2.23	5.37 1.96	5.75 1.64	5.79 1.42	5.34 1.56	5.95 2.28	6.69 2.22	6.36 1.99	3
4	5.92 1.80	6.29 1.22	6.22 3.23	5.29 1.28	5.35 1.85	5.42 1.86	5.71 1.54	5.87 1.78	5.38 1.60	6.12 2.46	6.71 2.06	5.19 1.90	4
5	6.21 1.72	6.38 3.22	5.71 1.04	4.99 1.26	5.69 2.40	5.27 1.63	5.99 2.05	5.35 1.31	5.73 1.81	6.39 2.28	6.69 1.87	6.20 1.90	5
6	6.38 1.81	6.07 1.30	5.46 0.97	5.16 1.46	5.53 2.16	5.31 1.69	5.51 1.52	4.93 1.23	6.17 2.43	6.48 2.04	5.03 1.81	6.12 2.09	6
7	6.56 3.15	5.92 1.24	4.47 0.84	5.43 1.86	5.34 1.76	5.49 1.74	5.02 1.25	4.89 1.31	6.59 2.28	6.50 1.68	6.82 2.09	6.06 2.24	7
8	6.46 1.77	5.47 1.36	4.71 0.82	5.56 2.18	5.53 1.65	5.98 2.11	4.96 1.17	5.11 1.41	6.81 2.15	4.76 1.48	6.87 2.19	5.82 2.37	8
9	6.24 1.84	4.99 1.43	4.97 0.94	5.39 1.73	5.76 1.60	5.65 1.71	5.04 1.39	4.36 1.76	4.91 1.88	6.60 1.46	6.75 2.26	5.85 2.61	9
10	5.92 1.77	5.08 1.37	5.28 1.33	5.31 1.24	5.93 1.51	5.58 1.46	5.17 1.63	5.39 1.52	6.77 1.45	6.51 1.41	6.51 2.32	5.91 2.54	10
11	5.57 1.70	5.66 1.61	5.27 1.59	5.39 1.03	6.00 1.40	5.66 1.41	5.62 2.17	5.72 1.31	6.66 1.28	6.54 1.49	6.08 2.26	5.98 3.02	11
12	5.41 1.59	5.67 2.12	6.02 1.85	5.75 1.08	6.06 1.39	5.75 1.46	5.69 2.05	6.05 1.18	6.64 1.34	6.29 1.47	5.70 2.24	5.75 2.37	12
13	5.49 1.68	5.86 2.25	5.60 1.31	5.86 1.08	6.11 1.52	5.79 1.60	6.08 1.72	6.33 1.20	6.72 1.52	5.94 1.47	5.82 2.40	5.85 2.14	13
14	5.49 2.09	5.46 1.62	5.92 1.50	5.98 1.08	6.08 1.51	5.59 1.66	5.96 1.35	6.55 1.30	6.50 1.60	5.75 1.73	5.89 2.69	5.87 2.12	14
15	5.68 2.23	5.52 1.29	5.82 1.09	6.06 1.16	5.67 1.37	5.43 1.80	6.30 1.41	6.55 1.39	6.04 1.52	5.97 2.23	5.78 2.61	5.95 2.19	15
16	5.64 2.31	5.42 1.12	5.75 0.84	6.14 1.25	5.32 1.39	5.68 1.85	6.49 1.52	6.43 1.43	5.50 1.54	6.15 2.75	5.83 2.21	6.06 2.21	16
17	5.70 2.16	5.77 1.21	5.81 1.00	6.11 1.34	5.14 1.65	6.12 1.98	6.27 1.23	5.94 1.24	5.55 1.69	6.10 2.80	5.96 2.02	5.99 2.19	17
18	5.65 1.83	5.96 1.09	6.14 1.22	5.92 1.42	5.51 1.95	6.39 1.90	6.00 1.07	5.51 1.31	5.95 2.36	6.25 2.88	6.17 1.97	6.03 2.02	18
19	5.66 1.77	6.03 1.27	6.09 1.24	5.53 1.47	6.09 2.13	6.19 1.53	5.49 0.85	5.31 1.49	5.94 2.70	6.42 2.70	6.16 1.99	5.66 1.86	19
20	5.84 1.66	5.98 1.27	6.01 3.35	5.15 2.47	5.94 1.73	6.25 1.59	5.22 1.04	5.24 1.74	6.00 2.46	6.36 2.52	6.20 1.81	4.91 1.67	20
21	5.73 1.46	5.94 1.32	5.64 1.25	5.23 1.45	6.09 1.65	6.32 1.71	4.80 0.98	5.19 1.63	5.95 1.99	6.32 2.10	6.17 1.81	5.66 1.82	21
22	5.90 3.37	5.68 1.27	6.16 1.60	5.57 1.73	6.17 1.63	6.32 1.81	4.57 1.21	5.54 1.96	6.25 1.89	6.43 1.91	4.95 1.75	5.62 2.08	22
23	6.02 1.68	5.29 1.24	5.42 2.14	6.03 1.90	6.07 1.48	5.53 1.15	4.94 1.74	5.75 1.96	4.53 1.90	4.93 1.94	6.27 2.01	5.79 2.10	23
24	5.91 1.72	4.91 1.10	5.84 1.79	5.86 1.39	6.06 1.43	5.31 1.26	5.35 1.90	4.47 1.80	6.07 1.66	6.56 1.88	6.33 2.06	6.00 1.97	24
25	5.47 1.59	4.79 1.14	6.07 2.21	6.67 1.84	5.97 1.37	5.29 1.39	5.20 1.58	5.93 1.78	6.24 1.76	6.43 1.71	6.11 2.16	6.26 2.02	25
26	5.30 1.36	4.96 1.06	6.47 2.41	6.48 1.61	5.84 1.39	5.04 1.42	5.21 1.42	6.06 1.70	6.44 1.97	6.35 1.74	6.14 2.48	6.53 3.05	26
27	5.18 1.38	5.35 1.46	6.81 2.11	6.74 1.57	5.68 1.51	5.01 1.58	5.47 1.41	6.18 1.62	6.45 1.87	6.21 1.67	6.20 2.68	6.55 2.06	27
28	4.48 1.06	5.93 1.77	6.75 1.76	6.07 1.08	5.82 1.93	5.07 1.74	5.68 1.39	6.26 1.59	6.35 1.78	6.05 1.83	6.25 2.74	6.40 1.98	28
29	4.69 0.84	6.32 1.73	6.76 1.50	6.02 1.24	5.38 1.72	5.24 1.61	5.31 0.85	6.19 1.48	6.15 1.73	5.87 2.03	6.26 2.37	6.25 1.89	29
30	5.17 1.30	6.45 1.39	6.65 1.40	5.86 1.31		5.29 1.54	5.39 0.89	6.11 1.44	5.91 1.64	5.74 2.16	6.44 2.17	6.18 1.87	30
31	5.50 1.50		6.56 1.37	5.81 1.55		5.46 1.51		6.07 1.42		5.83 2.17	6.62 2.19		31
MAXIMUM	6.56	6.45	7.09	6.74	6.17	6.39	6.49	6.55	6.81	6.60	6.87	6.74	MAXIMUM
MINIMUM	0.84	1.06	0.82	1.03	1.37	1.15	0.85	1.04	1.28	1.41	1.75	1.67	MINIMUM

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R., M.D.B. & M.	CFS	GAGE HT	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 04 25	121 51 18	SW 27 3N 1E		9.2	4-6-1958		JUN 1929-DATE	1929		0.00	USED
								1929		-3.05	USCGS
									1964	-3.54	USCGS
								1964		-3.00	USCGS

Station located 0.4 mile southwest of Collinsville, 3.3 miles northeast of Pittsburg.

TABLE B-12 (CONT.)
DAILY MAXIMUM AND MINIMUM TIDES
(IN FEET)

WATER YEAR	STATION NUMBER	STATION NAME
1972	B95820	SAN JOAQUIN RIVER AT MOSSDALE BRIDGE

DATE	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	DATE
1	3.38	3.19	3.58	4.42	3.52	2.30	2.07	2.09	2.64	2.79	2.54	3.10	1
	2.18	1.92	1.54	3.06	2.33	0.93	0.51	0.13	0.24	0.91	0.52	0.70	
2	3.25	3.28	4.14	4.26	3.15	2.02	2.14	2.02	2.29	3.03	2.52	3.48	2
	2.18	1.86	1.41	2.90	2.36	0.85	0.60	0.14	0.28	1.09	0.53	0.94	
3	3.18	3.32	3.66	4.03	3.18	2.18	2.90	2.27	2.22	3.15	2.92	3.16	3
	2.21	1.86	1.76	2.81	2.31	0.84	0.86	0.22	0.13	0.78	0.57	0.75	
4	3.50	3.55	3.62	3.51	3.54	2.24	3.08	2.74	2.21	2.86	3.18	2.81	4
	2.38	1.88	1.60	2.64	2.50	0.78	0.59	0.68	0.14	0.64	0.56	0.59	
5	3.73	3.71	2.94	3.40	3.74	1.96	3.06	2.33	1.68	2.94	3.20	2.61	5
	2.43	2.02	1.41	2.49	2.57	0.39	0.76	0.17	0.13	0.81	0.55	0.55	
6	3.94	3.53	3.13	3.39	3.77	2.09	2.72	2.06	1.97	3.18	3.05	2.55	6
	2.53	2.06	1.18	2.55	2.60	0.41	0.74	0.15	0.40	0.69	0.60	0.67	
7	4.10	3.48	2.63	3.61	3.64	2.41	2.39	1.76	2.49	3.18	3.17	2.56	7
	2.67	1.95	1.43	2.56	2.50	0.43	0.63	0.16	0.51	0.53	0.84	0.75	
8	4.26	3.05	2.53	3.78	3.65	3.15	2.13	1.42	3.00	3.19	3.33	2.66	8
	2.69	1.92	1.07	2.67	2.37	0.90	0.50	0.19	0.72	0.53	0.94	0.85	
9	4.19	2.54	2.19	3.63	3.97	2.79	1.95	1.57	2.98	3.29	3.29	2.66	9
	2.83	1.44	0.78	2.63	2.34	0.61	0.98	0.28	0.65	0.58	0.97	0.88	
10	3.39	2.64	2.50	3.62	4.11	2.68	2.40	1.74	3.02	3.16	2.93	3.01	10
	2.94	1.01	0.81	2.59	2.58	1.58	0.53	0.22	0.47	0.53	0.87	0.97	
11	4.01	2.68	2.66	3.60	4.15	2.52	2.45	1.90	2.93	3.11	2.59	3.37	11
	2.97	0.86	1.18	2.42	2.74	0.77	0.53	0.24	0.50	0.54	0.77	1.20	
12	3.68	2.99	2.92	3.89	4.11	2.46	2.55	2.79	3.05	2.85	2.29	3.16	12
	2.83	1.23	1.18	2.42	2.82	0.90	0.67	0.43	0.59	0.52	0.56	1.27	
13	3.50	3.18	3.23	3.92	3.85	2.54	2.63	3.06	3.03	2.52	1.92	3.30	13
	2.78	1.24	1.60	2.61	2.78	0.90	1.11	0.51	0.63	0.48	0.57	1.13	
14	3.57	2.97	3.18	3.92	3.66	2.42	3.01	3.27	2.86	2.42	2.15	2.10	14
	2.84	1.37	1.49	2.56	2.49	0.99	0.92	0.57	0.66	0.49	0.71	1.26	
15	3.85	3.20	3.40	3.79	3.37	2.24	3.17	3.35	2.35	2.51	2.88	3.39	15
	2.98	1.26	1.58	2.49	2.21	0.84	0.88	0.69	0.47	0.78	0.71	1.28	
16	3.73	2.94	3.41	3.78	3.14	2.17	3.54	3.39	2.28	2.93	2.73	3.53	16
	3.15	1.24	1.53	2.31	2.07	0.76	1.20	0.73	0.35	1.26	0.53	1.41	
17	4.19	2.94	3.49	3.77	2.95	2.52	3.49	3.04	2.06	3.31	2.54	3.71	17
	3.38	1.01	1.60	2.30	2.09	0.96	1.02	0.49	0.23	1.15	0.52	1.55	
18	3.91	3.17	3.80	3.77	3.14	2.80	3.50	2.72	2.11	3.23	2.68	3.49	18
	3.49	1.05	1.76	2.31	2.04	1.11	1.06	0.49	0.67	1.15	0.51	1.53	
19	3.58	3.25	3.75	3.50	3.58	2.60	2.25	2.05	2.84	3.32	3.09	3.28	19
	2.92	1.06	1.92	2.33	2.22	0.86	0.28	0.25	0.94	1.00	0.55	1.44	
20	3.70	3.27	3.62	3.13	3.49	2.73	1.86	1.88	2.76	3.61	2.91	2.92	20
	2.69	1.13	1.93	2.30	1.95	0.96	0.20	0.17	0.65	0.81	0.53	1.35	
21	3.52	3.22	3.23	3.12	3.50	3.11	1.58	1.64	2.44	3.43	2.88	2.74	21
	2.57	1.30	1.87	2.17	1.70	1.13	0.19	0.13	0.36	0.57	0.55	1.37	
22	3.66	3.19	3.64	3.33	3.74	3.30	1.32	1.47	2.84	3.47	2.62	2.97	22
	2.35	1.38	1.63	2.12	2.19	1.24	0.20	0.15	0.47	0.57	0.53	1.59	
23	3.80	3.01	3.12	3.85	3.53	2.69	1.54	2.20	3.46	3.66	2.65	2.92	23
	2.26	1.37	1.95	2.22	1.61	0.86	0.27	0.48	0.73	0.79	0.56	1.69	
24	3.78	2.71	3.32	3.57	3.58	2.48	1.82	2.34	3.24	3.76	2.60	3.14	24
	2.30	1.22	1.64	2.08	1.45	1.26	0.32	0.43	0.56	0.75	0.54	1.68	
25	3.44	2.36	3.71	4.25	3.44	2.29	1.57	2.60	3.45	3.38	2.46	3.58	25
	2.45	1.09	1.93	2.10	1.51	0.81	0.20	0.51	0.73	0.55	0.55	1.70	
26	3.29	2.26	3.89	4.27	3.22	1.90	1.50	2.73	3.75	3.27	2.65	3.94	26
	2.29	0.91	2.41	2.48	1.50	0.76	0.17	0.49	1.08	0.56	0.74	1.81	
27	2.92	2.56	4.65	4.30	2.96	1.86	1.62	2.81	3.63	3.01	3.02	4.18	27
	2.27	1.08	2.58	2.38	1.41	0.61	0.19	0.40	0.94	0.51	0.90	2.46	
28	3.45	2.74	4.66	3.91	3.02	1.81	2.10	2.89	3.42	2.73	3.11	4.23	28
	2.43	1.17	3.03	2.48	1.32	0.46	0.33	0.43	0.89	0.50	0.82	2.77	
29	2.73	3.44	4.64	3.86	2.64	1.84	1.95	2.73	3.26	2.77	2.84	2.97	29
	2.06	1.41	2.99	2.30	1.25	0.60	0.17	0.39	0.70	0.55	0.66	2.60	
30	2.89	3.46	4.76	3.72		1.80	1.85	2.66	2.75	2.59	1.69	3.89	30
	2.01	1.60	3.19	2.47		0.48	0.15	0.26	0.51	0.65	0.64	2.33	
31	3.13		4.56	3.59		1.92		2.68		2.76	3.07		31
	1.98		3.17	2.37		0.51		0.27		0.52	0.60		
MAXIMUM	4.26	3.71	4.76	4.42	4.15	3.30	3.54	3.39	3.75	3.76	3.33	4.23	MAXIMUM
MINIMUM	1.98	0.86	0.78	2.08	1.25	0.39	0.15	0.13	0.13	0.48	0.51	0.55	MINIMUM

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R., M.D.B. & M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
37 47 12	121 18 21	SW 3 2S 6E		24.4	12-10-1950		1920-DATE	1920	1943	5.16	USED
								1943		0.00	USCGS
								1943		3.27	USED
									1964	-0.17	USCGS
								1964		0.00	USCGS

Station located on old U. S. Highway 50 bridge, 3.0 miles southwest of Lathrop.

TABLE B-12 (CONT.)

DAILY MAXIMUM AND MINIMUM TIDES

(IN FEET)

WATER YEAR	STATION NUMBER	STATION NAME
1972	B95740	SAN JOAQUIN RIVER AT BRANDT BRIDGE

DATE	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	DATE
1	6.37 3.32	6.28 3.30	6.78 3.12	7.06 3.75	6.34 3.39	5.63 3.08	5.82 2.62	5.96 2.20	6.55 2.68	6.41 3.80	6.52 3.28		1
2	6.22 3.37	6.50 3.17	7.49 2.99	6.95 3.63	5.88 3.50	5.58 2.99	5.94 2.60	6.02 2.28	6.28 2.88	6.53 3.99	5.21 3.18		2
3	6.14 3.43	6.52 3.12	6.84 3.38	6.67 3.67	5.74 3.21	5.76 2.99	6.17 2.94	6.21 2.60	5.98 2.74	5.81 3.65	6.91 3.28		3
4	6.46 3.58	6.77 3.05	6.72 3.13	6.17 3.49	6.13 3.42	5.81 2.94	6.28 2.70	6.53 3.20	5.77 2.60	6.41 3.61	7.27 3.28		4
5	6.74 3.61	6.90 3.22	6.22 2.84	5.89 3.27	6.41 3.66	5.65 2.56	6.47 3.04	5.94 2.49	5.87 2.73	6.50 3.68	7.22 3.15		5
6	6.97 3.65	6.65 3.28	6.21 2.57	6.03 3.30	6.42 3.78	5.73 2.61	6.14 2.78	5.60 2.50	6.10 3.18	6.71 3.46	7.13 3.12		6
7	7.16 3.78	6.62 3.14	5.45 2.83	6.27 3.39	6.30 3.45	5.96 2.66	5.75 2.59	5.40 2.46	6.63 3.23	6.70 3.20	7.27 3.37		7
8	7.24 3.78	6.20 3.17	5.27 2.44	6.44 3.64	6.47 3.39	6.60 3.22	5.68 2.54	5.37 2.48	7.07 3.28	6.73 3.20	7.34 3.52		8
9	7.09 3.89	5.67 2.92	5.29 2.14	6.28 3.40	6.76 3.49	6.21 2.77	5.63 2.59	5.57 2.74	7.17 3.09	6.84 3.27	7.24 3.59		9
10	6.87 3.85	5.63 2.71	5.78 2.32	6.29 3.12	6.88 4.87	6.11 2.74	5.68 2.95	5.79 2.53	7.14 2.82	6.72 3.16	6.97 3.57	N	10
11	6.46 3.75	5.91 2.68	5.82 2.86	6.29 3.07	6.90 3.51	6.11 2.79	5.98 2.89	6.03 2.48	7.06 2.73	6.69 3.18	6.55 3.53	O	11
12	6.02 3.58	6.13 3.18	6.20 2.98	6.61 4.30	6.86 3.53	6.07 3.73	5.95 2.99	6.34 2.57	6.94 2.82	6.44 3.06	6.22 3.31	R	12
13	6.28 3.56	6.46 3.24	6.34 3.71	6.68 3.22	6.80 3.53	6.13 2.83	6.46 3.24	6.63 2.65	6.99 2.93	6.12 2.99	6.27 3.37	E C	13
14	6.42 3.88	6.10 3.11	6.30 2.92	6.69 3.23	6.72 3.56	6.00 2.97	6.32 2.94	6.85 2.80	6.83 3.01	5.99 3.10	6.50 3.55	O	14
15	6.68 4.06	6.30 3.56	6.45 3.05	6.71 3.23	6.31 3.42	5.76 2.97	6.55 2.95	6.95 3.07	6.45 2.87	6.47 3.76	6.43 3.56	R D	15
16	6.42 4.01	5.99 2.96	6.37 2.84	6.76 3.22	5.97 3.21	5.90 2.93	6.87 3.28	6.92 3.08	6.02 2.72	6.78 4.34	6.44 3.14		16
17	6.59 4.11	6.25 2.65	6.42 2.73	6.74 3.27	5.79 3.19	6.26 3.15	6.77 3.01	6.58 2.67	5.82 2.64	5.74 4.24	4.98 3.05		17
18	6.50 4.22	6.43 2.73	6.75 2.89	6.57 3.33	6.06 3.25	6.65 3.28	6.79 3.11	6.19 2.69	6.03 3.50	6.69 4.15	6.58 2.96		18
19	6.42 3.86	6.53 2.74	6.70 3.11	6.24 3.40	6.62 3.70	6.44 2.88	5.98 2.31	5.76 2.55	6.69 3.82	6.78 3.91	6.91 3.09		19
20	6.61 3.66	6.52 2.83	6.57 3.13	5.87 3.32	6.48 3.35	6.49 2.96	5.65 2.30	5.84 2.66	6.65 3.42	7.06 3.68	6.79 3.04		20
21	6.44 3.56	6.54 2.86	6.26 3.08	5.85 3.15	6.64 3.20	6.74 3.18	5.34 2.12	5.67 2.50	6.55 2.82	6.93 3.33	6.80 3.05		21
22	6.69 3.34	6.36 2.90	6.62 2.92	6.13 3.18	6.79 3.20	6.86 3.24	5.19 2.22	5.60 2.75	6.24 2.82	6.96 3.22	6.59 2.98		22
23	6.87 3.46	6.01 2.82	6.06 3.54	6.72 3.54	6.67 3.04	6.12 2.68	5.29 2.81	5.94 2.91	6.80 3.37	7.15 3.36	6.70 3.20		23
24	6.76 3.49	5.69 2.66	6.11 3.10	6.51 3.16	6.66 3.08	5.96 2.67	5.60 2.86	6.13 2.87	6.58 3.18	7.22 3.22	6.69 3.25		24
25	6.36 3.45	5.42 2.62	6.67 3.55	7.15 3.68	6.55 3.98	5.81 2.67	5.61 2.61	6.32 2.90	6.78 3.33	6.97 3.01	6.49 3.25		25
26	6.18 3.19	5.40 2.41	6.80 3.78	7.17 4.59	6.37 3.07	5.58 2.58	5.54 2.36	6.58 2.93	7.03 3.69	6.86 3.05	6.63 3.53		26
27	6.27 3.23	5.87 2.70	7.58 4.19	7.37 3.47	6.17 3.03	5.47 2.88	5.71 2.35	6.69 2.84	7.01 3.56	6.67 2.86	6.71 3.75		27
28	5.64 3.58	6.12 3.00	7.46 4.75	6.74 3.59	6.28 3.06	5.43 2.67	6.12 2.70	6.78 2.86	6.82 3.53	6.48 2.95	6.72 3.63		28
29	5.53 2.94	6.78 3.57	7.47 4.10	6.67 3.27	5.96 3.35	5.63 2.79	5.80 2.34	6.64 2.90	6.66 3.34	6.42 3.17	6.73 3.55		29
30	5.80 2.94	6.80 3.30	7.41 4.03	6.50 3.35		5.62 2.61	5.74 2.09	6.56 2.77	6.32 3.09	6.37 3.37	6.93 3.31		30
31	6.18 3.24		7.25 3.92	6.40 3.31		5.74 2.63		6.54 2.77		6.32 3.23	7.13 3.30		31
MAXIMUM	7.24	6.90	7.58	7.37	6.90	6.86	6.87	6.95	7.17	7.22	7.34	NR	MAXIMUM
MINIMUM	2.94	2.41	2.14	3.07	3.03	2.56	2.09	2.20	2.60	2.86	2.96	NR	MINIMUM

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R., M.D.B. & M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
37 51 53	121 19 18	NW 9 1S 6E		19.5	12-10-1950		JULY 40-SEPT 66	1940	1952	-3.61	USCGS
							JAN 68-DATE	1952		-3.79	USCGS
								1952		-0.58	USED
									1964	-3.34	USCGS
								1964		-3.00	USCGS

Station located on Bowman Road between Roberts Island and Reclamation District 17. Maximum of record is maximum recorded stage -- record not complete in December 1955. Station was discontinued October 1, 1966, and reactivated January 2, 1968.

TABLE B-12 (CONT.)
DAILY MAXIMUM AND MINIMUM TIDES
(IN FEET)

WATER YEAR	STATION NUMBER	STATION NAME
1972	B95660	STOCKTON SHIP CHANNEL AT BURNS CUTOFF

DATE	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	DATE
1	6.27 2.31	6.24 2.51	6.88 2.39	6.87 2.51	6.22 2.54	5.75 2.50	6.00 2.51	6.18 1.68	6.75 2.18	6.47 3.45	6.69 2.91	7.57 2.97	1
2	6.13 2.33	6.53 2.17	7.66 2.22	6.75 2.41	5.73 2.69	5.73 2.45	6.13 2.51	6.25 1.75	6.48 2.44	6.57 3.62	7.11 2.79	6.22 3.14	2
3	6.04 2.46	6.55 2.10	6.99 2.62	6.43 2.59	5.56 2.39	5.94 2.51	6.32 2.75	6.42 2.12	6.13 2.37	6.52 3.33	5.53 2.86	7.32 2.87	3
4	6.38 2.69	6.81 2.07	6.78 2.38	5.96 2.42	5.93 2.63	5.97 2.48	6.35 2.61	6.73 2.77	5.64 2.19	5.30 3.32	7.47 2.88	7.06 2.68	4
5	6.68 2.55	6.91 2.09	6.27 2.07	5.64 2.29	6.25 2.94	5.80 2.12	6.56 2.95	6.03 2.06	6.07 2.39	6.62 3.37	7.40 2.62	6.78 2.58	5
6	6.91 2.54	6.63 2.15	6.15 1.88	5.80 2.37	6.22 2.80	5.91 2.17	6.21 2.68	5.69 2.05	6.31 2.89	6.82 3.12	7.32 2.62	6.64 2.77	6
7	7.11 2.67	6.60 2.01	5.29 2.09	6.06 2.59	6.09 2.48	6.11 2.22	5.76 2.43	5.51 2.01	6.88 2.92	6.79 2.90	7.50 2.90	6.59 2.89	7
8	7.16 2.65	6.17 2.08	5.24 1.75	6.25 2.90	6.29 2.40	6.74 2.75	5.72 2.39	5.52 2.05	7.35 2.82	6.85 2.80	7.53 2.99	6.42 3.09	8
9	6.95 2.83	5.62 2.06	5.32 1.59	6.07 2.48	6.54 2.45	6.30 2.26	5.73 2.47	5.76 2.32	7.46 2.65	6.95 2.83	7.41 3.08	6.50 3.09	9
10	6.68 2.66	5.69 2.00	5.89 1.87	6.03 2.13	6.66 2.46	6.20 2.18	5.77 2.69	6.00 2.13	7.41 2.31	6.84 2.73	7.14 3.11	6.51 3.14	10
11	6.27 2.58	6.06 2.08	5.83 2.30	6.09 2.08	6.69 2.41	6.26 2.24	6.19 2.80	6.28 1.99	7.33 2.20	6.81 2.73	6.72 3.10	6.69 2.96	11
12	5.79 2.40	6.22 2.61	6.35 2.61	6.43 3.73	6.69 3.77	6.27 2.38	6.13 2.81	6.55 1.96	7.25 2.28	6.55 2.66	6.36 2.97	6.46 2.88	12
13	6.08 2.53	6.55 2.77	6.30 2.16	6.50 2.15	6.71 2.39	6.31 3.19	6.65 2.85	6.86 2.03	7.29 2.37	6.23 2.58	6.44 3.03	6.56 2.69	13
14	6.23 2.99	6.16 2.42	6.33 3.35	6.53 2.18	6.67 2.63	6.19 2.61	6.46 2.43	7.08 2.20	7.10 2.49	6.08 2.70	6.60 3.12	6.66 2.76	14
15	6.53 3.23	6.32 3.20	6.44 2.32	6.62 2.20	6.23 2.60	5.95 2.68	6.75 2.41	7.18 2.50	6.67 2.38	6.60 3.44	6.53 3.12	6.82 2.82	15
16	6.17 3.12	6.05 2.48	6.37 2.01	6.70 2.29	5.85 2.39	6.14 2.74	7.06 2.72	7.10 2.52	6.20 2.28	6.83 4.03	6.56 2.70	6.93 2.89	16
17	6.27 3.20	6.32 2.26	6.40 1.79	6.66 2.41	5.66 2.28	6.55 2.98	6.89 2.39	6.76 2.13	6.19 2.21	6.74 3.94	6.69 2.60	5.94 2.92	17
18	6.23 3.07	6.48 1.97	6.72 1.96	6.45 2.40	6.00 2.40	6.95 2.93	6.95 2.46	6.31 2.23	5.76 3.14	6.84 3.81	6.98 2.52	6.84 2.72	18
19	6.23 2.73	6.61 1.96	6.67 2.20	6.10 2.49	6.59 2.89	6.73 2.48	6.13 1.94	5.88 2.18	6.85 3.47	5.56 3.54	6.99 2.60	6.68 2.57	19
20	6.48 2.48	6.57 2.07	6.52 2.23	5.72 2.44	6.47 2.45	6.77 2.52	5.81 2.00	6.01 2.31	6.81 3.03	7.10 3.29	6.88 2.52	6.28 2.35	20
21	6.31 2.36	6.60 2.07	6.24 2.21	5.72 2.33	6.67 2.33	6.95 2.79	5.46 1.81	5.83 2.16	6.78 2.36	6.98 2.96	6.93 2.54	6.18 2.44	21
22	6.61 2.18	6.34 2.09	6.63 2.12	6.06 2.47	6.80 2.34	7.05 2.81	5.34 1.93	5.80 2.41	6.28 2.28	7.02 2.77	6.77 2.46	6.23 2.80	22
23	6.82 2.41	5.94 1.99	6.02 2.87	6.65 2.74	6.72 2.24	6.19 2.16	5.49 2.40	6.15 2.54	6.81 2.94	7.23 2.81	6.89 2.72	6.34 2.86	23
24	6.64 2.42	5.61 1.83	6.20 2.49	6.44 2.35	6.72 2.22	6.08 2.22	5.83 2.56	6.33 2.46	6.59 2.75	7.28 2.63	6.87 2.80	6.50 2.84	24
25	6.20 2.26	5.41 1.88	6.68 2.95	7.16 2.84	6.61 2.25	5.91 2.34	5.81 2.23	6.55 2.42	6.79 2.88	7.07 2.45	6.68 2.78	6.81 2.68	25
26	6.02 1.97	5.47 1.73	6.76 2.84	7.12 2.59	6.45 3.31	5.68 2.37	5.75 1.97	6.81 2.42	7.04 3.25	6.99 2.49	6.79 3.10	7.08 2.65	26
27	6.08 2.09	5.93 2.13	7.49 3.09	7.37 3.93	6.26 2.21	5.59 2.75	5.95 2.00	6.90 2.38	7.05 3.15	6.80 2.34	6.87 3.34	7.16 2.75	27
28	5.31 2.40	6.26 2.50	7.31 2.84	6.62 2.65	6.40 2.31	5.57 2.56	6.36 2.23	7.00 2.33	6.88 3.15	6.62 2.49	6.83 3.23	7.07 2.73	28
29	5.32 1.72	6.90 2.64	7.29 3.98	6.57 2.34	6.09 2.70	5.81 2.61	5.96 1.76	6.90 2.38	6.69 2.99	6.54 2.73	6.86 3.03	6.92 2.59	29
30	5.69 1.94	6.92 3.34	7.19 2.69	6.39 2.44		5.78 2.47	5.94 1.53	6.80 2.28	6.35 2.82	6.49 2.94	7.06 2.80	6.94 2.57	30
31	6.08 2.26		7.04 2.60	6.30 2.37		5.93 2.49		6.73 2.31		6.46 2.82	7.28 2.80		31
MAXIMUM	7.16	6.92	7.66	7.37	6.80	7.05	7.06	7.18	7.46	7.28	7.53	7.57	MAXIMUM
MINIMUM	1.72	1.73	1.59	2.08	2.21	2.12	1.53	1.68	2.18	2.34	2.46	2.35	MINIMUM

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R., M.D.B & M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
37 57 46	121 21 54	SW 6 1N 6E		10.3	12-26-1955		MAY 1940-DATE	1940	1943	-4.22	USCGS
								1943	1945	-4.39	USCGS
								1945	1946	-4.70	USCGS
								1946	1951	-3.00	USCGS
								1951		-3.02	USCGS
									1964	-3.53	USCGS
								1964		-3.00	USCGS

Station located on north end of Rough and Ready Island, approximately 0.4 mile above Burns Cutoff.

TABLE B-12 (CONT.)
DAILY MAXIMUM AND MINIMUM TIDES
(IN FEET)

WATER YEAR	STATION NUMBER	STATION NAME
1972	B95620	SAN JOAQUIN RIVER AT RINDGE PUMP

DATE	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	DATE
1	3.10 -0.81	3.05 -0.93	3.71 0.34	3.68 -0.74	3.05 -0.71	2.59 -0.54	2.84 -0.94	3.03 -1.36	3.59 -0.90	3.30 0.35	3.51 -0.14	4.38 -0.09	1
2	2.96 -0.72	3.35 -0.24	4.49 -0.92	3.57 -0.82	2.59 -0.55	2.56 -0.59	2.97 -1.00	3.09 -1.30	3.32 -0.65	3.41 0.54	3.92 -0.48	2.99 0.08	2
3	2.86 -0.60	3.37 -0.98	3.81 -0.56	3.28 -0.68	2.41 -0.87	2.77 -0.54	3.17 -0.73	3.27 -0.95	2.96 -0.74	3.34 0.23	2.33 -0.22	4.13 -0.17	3
4	3.21 -0.36	3.63 -1.11	3.60 -0.84	2.79 -0.85	2.78 -0.62	2.81 -0.60	3.22 -1.17	3.59 -0.30	2.47 -0.87	3.44 0.23	4.29 -0.30	3.87 -0.36	4
5	3.50 -0.50	3.74 -0.98	3.10 -1.15	2.50 -0.97	3.11 -0.25	2.64 -0.95	3.43 -0.54	2.88 -1.01	2.89 -0.70	2.10 0.24	4.21 -0.43	3.59 -0.46	5
6	3.72 -0.52	3.47 -0.93	2.98 -1.32	2.63 -0.92	3.06 -0.51	2.74 -0.88	3.05 -0.86	2.54 -1.00	3.14 -0.22	3.64 0.01	4.13 -0.48	3.45 -0.28	6
7	3.92 -0.40	3.44 -1.03	2.15 -1.17	2.89 -0.67	2.94 -0.72	2.97 -0.84	2.61 -1.07	2.37 -1.04	3.69 -0.20	3.61 -0.27	4.33 -0.18	3.39 -0.16	7
8	3.99 -0.45	3.01 -0.94	2.08 -1.50	3.08 -0.32	3.14 -0.80	3.59 -0.36	2.54 -1.07	2.36 -1.01	4.18 -0.26	3.67 -0.27	4.33 -0.06	3.23 0.04	8
9	3.78 -0.36	2.46 -0.98	2.19 -1.62	2.91 -0.79	3.37 -0.78	3.15 -0.81	2.55 -0.97	2.59 -0.76	4.27 -0.47	3.76 -0.23	4.22 0.04	3.30 0.04	9
10	3.52 -0.47	2.52 -1.12	2.68 -1.39	2.87 -1.16	3.50 -0.79	3.06 -0.91	2.60 -0.69	2.83 -0.94	4.23 -0.82	3.66 -0.34	3.94 0.05	3.31 0.10	10
11	3.11 -0.65	2.92 -0.95	2.67 -0.93	2.93 -1.26	3.52 -0.82	3.09 -0.87	3.00 -0.50	3.09 -1.09	4.15 -0.95	3.63 -0.33	3.53 0.04	3.51 -0.08	11
12	2.62 -0.78	3.06 -0.43	3.23 -0.59	3.27 -1.18	3.52 -0.83	3.07 -0.81	2.97 -0.50	3.38 -1.14	4.06 -0.90	3.37 -0.41	3.18 -0.11	3.26 -0.16	12
13	2.92 -0.73	3.38 -0.26	3.11 -1.01	3.34 -1.16	3.53 0.52	3.12 -0.68	3.48 -0.46	3.68 -1.06	4.12 -0.74	3.05 -0.48	3.25 -0.03	3.37 -0.37	13
14	3.04 -0.28	2.95 -0.64	3.18 -0.85	3.37 0.65	3.49 -0.58	3.02 -0.61	3.28 -0.84	3.90 -0.93	3.92 -0.57	2.90 -0.35	3.43 0.07	3.48 -0.31	14
15	3.35 -0.02	3.11 -0.90	3.27 -1.16	3.45 -1.15	3.06 -0.66	2.77 -0.43	3.58 -0.79	4.00 -0.64	3.50 -0.71	3.44 0.35	3.34 0.07	3.64 -0.24	15
16	3.00 -0.19	2.87 0.02	3.15 0.43	3.53 -1.04	2.67 -0.86	2.96 -0.58	3.89 -0.53	3.93 -0.62	3.02 -0.79	3.66 0.95	3.39 -0.36	3.76 -0.16	16
17	3.09 -0.28	3.15 -1.19	3.22 -1.39	3.49 -0.94	2.50 -0.88	3.38 -0.38	3.72 -0.81	3.58 -1.02	3.03 -0.83	3.58 0.83	3.52 -0.46	2.77 -0.13	17
18	3.10 0.00	3.31 -1.08	3.55 -1.33	3.27 -0.84	2.82 -0.74	3.79 -0.32	3.71 -0.83	3.13 -0.94	2.57 0.05	3.67 0.73	3.83 -0.55	3.65 -0.33	18
19	3.05 -0.55	3.43 -1.10	3.51 -0.99	2.94 -0.78	3.43 -0.21	3.55 -0.75	3.01 -1.39	2.72 -1.01	3.68 0.35	2.37 0.48	2.46 -0.45	3.50 -0.50	19
20	3.30 -0.56	3.40 -1.00	3.35 -0.97	2.55 -0.82	3.29 -0.63	3.62 -0.67	2.65 -1.23	2.84 -0.80	3.64 -0.05	3.93 0.23	3.71 -0.54	3.09 -0.70	20
21	3.15 -0.67	3.44 -1.01	3.07 -1.00	2.57 -0.93	3.50 -0.72	3.79 -0.44	2.28 -1.40	2.67 -0.95	3.58 -0.97	3.80 -0.16	3.76 -0.52	2.98 -0.59	21
22	3.45 -0.87	3.17 -0.98	3.44 -0.97	2.89 -0.77	3.64 -0.71	3.88 -0.45	2.19 -1.23	2.64 -0.66	3.11 -0.77	3.84 -0.31	3.58 -0.58	3.03 -0.24	22
23	3.65 -0.65	2.79 -1.08	2.86 -0.32	3.45 -0.50	3.54 -0.85	3.03 -1.04	2.32 -0.66	2.98 -0.62	3.63 -0.13	4.04 -0.26	3.71 -0.33	3.13 -0.20	23
24	3.49 -0.62	2.46 -1.25	3.10 -0.71	3.27 -0.95	3.55 -0.86	2.88 -1.06	2.68 -0.50	3.15 -0.69	3.42 -0.35	4.10 -0.43	3.69 -0.26	3.30 -0.21	24
25	3.05 -0.78	2.24 -1.22	3.50 -0.25	4.04 -0.41	3.42 -0.86	2.74 -0.98	2.64 -0.84	3.39 -0.67	3.63 -0.22	3.88 -0.61	3.50 -0.25	3.62 -0.35	25
26	2.87 -1.07	2.30 -1.37	3.65 -0.29	3.94 -0.72	3.28 -0.84	2.50 -1.01	2.59 -1.08	3.65 -0.63	3.87 0.14	3.81 -0.57	3.63 0.06	3.88 -0.40	26
27	2.89 -0.96	2.75 -1.00	4.30 -0.11	4.20 -0.60	3.08 0.00	2.41 -0.81	2.79 -1.09	3.73 -0.69	3.87 0.01	3.61 -0.72	3.68 0.28	3.96 -0.29	27
28	2.14 -0.73	3.09 -0.63	4.13 -0.40	3.45 0.52	3.22 -0.70	2.39 -0.78	3.20 -0.82	3.83 -0.73	3.71 -0.01	3.43 -0.57	3.63 0.19	3.87 -0.32	28
29	2.15 -1.38	3.75 -0.54	4.12 -0.56	3.40 -1.00	2.90 -0.53	2.66 -0.75	2.81 -1.30	3.71 -0.71	3.53 -0.21	3.36 -0.35	3.67 0.00	3.73 -0.46	29
30	2.52 -1.14	3.73 -0.78	4.00 0.82	3.22 -0.90		2.62 -0.93	2.77 -1.51	3.64 -0.77	3.21 -0.41	3.30 -0.13	3.88 -0.24	3.76 -0.50	30
31	2.90 -0.79		3.87 -0.65	3.14 -0.90		2.76 -0.91		3.57 -0.81		3.27 -0.26	4.09 -0.25		31
MAXIMUM	3.99	3.75	4.49	4.20	3.64	3.88	3.89	4.00	4.27	4.10	4.33	4.38	MAXIMUM
MINIMUM	-1.38	-1.37	-1.62	-1.26	-0.88	-1.06	-1.51	-1.36	-0.97	-0.72	-0.58	-0.70	MINIMUM

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R., M.D.B. & M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
37 59 51	121 25 06	NW 27 2N 5E		7.1	12-26-1955		JULY 1939-DATE	1939	1940	-2.20	USED
								1940		0.00	USCGS
								1940		3.00	USED
									1964	-0.52	USCGS
								1964		0.00	USCGS

Station located on Rindge Tract at Fourteenmile Slough near junction with Stockton Ship Channel, 8 miles northwest of Stockton.

TABLE B-12 (CONT.)
DAILY MAXIMUM AND MINIMUM TIDES
(IN FEET)

WATER YEAR	STATION NUMBER	STATION NAME
1972	B95580	SAN JOAQUIN RIVER AT VENICE ISLAND

DATE	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	DATE
1	5.95 2.26	NR NR	6.56 3.41	6.55 2.37	5.91 2.39	5.42 2.54	5.69 2.14	5.89 1.72	6.44 2.17	6.15 3.33	NR NR	7.23 2.98	1
2	5.82 2.38	6.19 2.82	7.33 2.18	6.42 2.28	5.42 2.53	5.39 2.51	5.82 2.07	5.95 1.78	6.19 2.38	6.25 3.56	6.77 2.79	5.86 3.18	2
3	5.70 2.50	6.20 2.12	6.66 2.56	6.14 2.42	5.23 2.21	5.61 2.55	6.02 2.32	6.14 2.10	5.79 2.30	6.20 3.26	7.15 2.85	6.99 2.89	3
4	6.04 2.75	6.47 1.99	6.45 2.25	5.64 2.24	5.64 2.47	5.64 2.44	6.11 2.13	6.46 2.72	5.74 2.20	6.30 3.25	5.27 2.83	6.72 2.74	4
5	6.34 2.60	6.57 2.14	5.96 1.96	5.33 2.11	5.99 2.87	5.49 2.12	6.32 2.55	5.76 2.04	4.98 2.33	4.97 3.33	7.07 2.64	6.44 2.65	5
6	6.56 2.57	6.32 2.20	5.80 1.80	5.47 2.16	5.92 2.70	5.61 2.18	5.93 2.20	5.40 2.03	5.99 2.86	6.51 3.09	6.99 2.61	6.30 2.79	6
7	6.77 2.69	6.30 2.07	4.97 1.89	5.74 2.40	5.80 2.34	5.84 2.23	5.48 2.00	5.22 2.00	6.52 2.88	6.48 2.81	7.17 2.91	6.24 2.94	7
8	6.83 2.64	5.88 2.14	4.93 1.56	5.91 2.74	6.02* 2.26	6.46 2.73	5.38 1.87	5.22 2.07	7.03 2.82	6.53 2.79	7.18 3.03	6.07 3.11	8
9	6.65 2.74	5.34 2.11	5.11 1.49	5.77 2.27	6.26 2.29	6.04 2.25	5.38 2.11	5.44 2.32	7.12 2.62	6.62 2.82	7.05 3.12	6.15 3.13	9
10	6.40 2.61	5.37 2.01	5.51 1.71	5.73 1.91	6.38 2.29	5.93 2.15	5.43 2.39	5.68 2.14	7.09 2.26	6.51 2.73	6.79 3.14	6.15 3.18	10
11	5.98 2.43	5.77 2.14	5.52 2.15	5.79 1.81	6.38 2.26	5.99 2.21	5.85 2.66	5.92 1.99	6.98 2.13	6.49 2.75	6.38 3.08	6.35 3.05	11
12	5.79 2.27	5.91 2.65	6.13 2.49	6.13 1.89	6.37 2.26	5.93 2.25	5.82 2.63	6.20 1.96	6.90 2.17	6.23 2.67	6.03 2.92	6.09 2.93	12
13	5.57 2.38	6.19 2.83	5.93 2.07	6.19 1.92	6.37 2.50	5.95 2.40	6.30 2.57	6.50 2.03	6.96 2.35	5.91 2.60	6.10 3.02	6.19 2.70	13
14	5.88 2.79	5.75 2.39	6.08 2.24	6.23 1.93	6.33 3.38	5.80 2.47	6.10 2.23	6.74 2.16	6.77 2.49	5.75 2.73	6.29 3.17	6.35 2.73	14
15	NR NR	5.84 2.14	6.11 1.93	6.31 3.60	5.91 2.44	5.59 2.52	6.41 2.28	6.84 2.39	6.37 2.35	6.29 3.35	6.20 3.16	6.51 2.82	15
16	NR NR	5.68 1.92	6.01 3.37	6.38 2.06	5.52 2.24	5.79 2.52	6.72 2.55	6.77 2.42	5.87 2.28	6.51 3.95	6.24 2.71	6.63 2.90	16
17	NR NR	5.99 3.31	6.07 1.71	6.34 2.16	5.34 2.22	6.21 2.70	6.53 2.21	6.38 2.06	5.88 2.24	6.46 3.81	6.40 2.60	6.51 2.93	17
18	NR NR	6.17 2.02	6.40 1.81	6.12 2.25	5.66 2.36	6.63 2.74	6.42 2.16	5.96 2.13	6.52 3.07	6.56 3.77	6.71 2.53	6.52 2.74	18
19	NR NR	6.29 1.96	6.34 2.11	5.78 2.32	6.27 2.87	6.39 2.31	5.78 1.67	5.60 2.06	5.35 3.40	NR NR	5.30 2.63	6.36 2.56	19
20	NR NR	6.26 2.09	6.21 2.12	5.39 2.28	6.12 2.44	6.46 2.38	5.51 1.81	5.66 2.23	6.50 3.03	NR NR	6.58 2.52	5.94 2.37	20
21	NR NR	6.30 2.07	5.93 2.10	5.44 2.18	6.36 2.38	6.64 2.62	5.12 1.70	5.51 2.11	6.43 2.30	NR NR	6.63 2.56	5.81 2.49	21
22	NR NR	6.04 2.11	6.32 2.26	5.75 2.34	6.49 2.33	6.72 2.65	5.04 1.80	5.47 2.38	5.97 2.30	NR NR	6.43 2.50	5.86 2.81	22
23	NR NR	5.66 2.01	5.72 2.79	6.29 2.58	6.37 2.25	5.88 2.02	5.17 2.43	5.83 2.46	6.50 2.92	NR NR	6.55 2.75	5.96 2.85	23
24	NR NR	5.34 1.85	6.02 2.45	6.12 2.14	6.39 2.23	5.70 2.05	5.53 2.58	6.01 2.38	6.30 2.72	NR NR	6.52 2.82	6.13 2.82	24
25	NR NR	5.09 1.86	6.34 2.82	6.89 2.68	6.24 2.22	5.58 2.06	5.47 2.20	6.24 2.41	6.49 2.86	NR NR	6.34 2.85	6.44 2.73	25
26	NR NR	5.17 1.72	6.56 2.92	6.80 2.46	6.09 2.25	5.32 2.08	5.42 1.99	6.51 2.44	6.74 3.19	NR NR	6.45 3.15	6.71 2.70	26
27	NR NR	5.58 2.09	7.12 3.00	7.05 2.50	5.90 2.39	5.24 2.28	5.64 2.01	6.57 2.39	6.76 3.07	NR NR	6.52 3.36	6.81 2.78	27
28	NR NR	5.99 2.48	6.96 2.69	6.28 2.08	6.03 3.17	5.21 2.31	6.04 2.24	6.67 2.34	6.57 3.03	NR NR	6.47 3.27	6.71 2.75	28
29	NR NR	6.56 2.57	6.96 2.52	6.23 3.32	5.72 2.70	5.49 2.30	5.61 1.67	6.58 2.32	6.40 2.86	NR NR	6.50 3.08	6.58 2.61	29
30	NR NR	6.58 2.30	6.82 3.87	6.06 2.20		5.46 2.16	5.62 1.56	6.48 2.19	6.04 2.68	NR NR	6.72 2.83	6.63 2.59	30
31	NR NR		6.73 2.44	6.00 2.20		5.59 2.16		6.44 2.24		NR NR	6.95 2.83		31
MAXIMUM	NR	NR	7.33	7.05	6.49	6.72	6.72	6.84	7.12	NR	NR	7.23	MAXIMUM
MINIMUM	NR	NR	1.49	1.81	2.21	2.02	1.56	1.72	2.13	NR	NR	2.37	MINIMUM

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R., M.D.B. & M	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 03 01	121 29 45	NE 2 2N 4E		10.7	12-26-1955		OCT 1927-DATE	1927		-3.45	USCGS
								1959		-4.00	USCGS
									1964	-4.01	USCGS
								1964		-3.00	USCGS

Station located on Little Connection Slough on Empire Tract, 0.7 mile south of Venice Island Ferry.

TABLE B-12 (CONT.)
DAILY MAXIMUM AND MINIMUM TIDES
(IN FEET)

WATER YEAR	STATION NUMBER	STATION NAME
1972	B95540	MIDDLE RIVER AT MOWRY BRIDGE

DATE	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	DATE
1	5.75 2.71	5.52 2.90	6.39 3.22	6.91 3.93	6.09 3.53	5.16 2.91	4.94 2.67	5.00 2.19	5.61 2.25	5.72 3.38	5.53 2.68	6.19 3.13	1
2	5.74 2.89	5.67 2.88	6.99 3.15	6.82 3.86	5.62 3.66	4.82 2.54	4.94 2.69	4.93 2.26	5.31 2.54	6.02 3.62	5.51 2.38	6.54 3.30	2
3	5.32 2.91	5.84 2.85	6.47 3.45	6.57 3.94	5.45 3.39	4.93 2.68	5.81 2.84	5.17 2.25	5.23 2.58	6.15 3.20	6.00 2.67	6.23 3.08	3
4	5.69 3.02	6.09 2.83	6.45 3.23	5.95 3.75	5.87 3.54	4.96 2.57	5.96 2.69	5.63 2.80	5.24 2.42	5.86 3.17	6.29 2.44	5.93 2.91	4
5	6.06 3.03	6.26 2.86	5.64 3.01	5.65 3.53	6.17 3.65	4.66 2.47	5.96 2.94	5.23 2.58	4.70 2.07	5.99 3.13	6.31 2.35	5.65 2.83	5
6	6.10 3.04	6.03 2.93	5.76 2.81	5.56 3.54	6.18 3.54	4.91 2.53	5.59 2.75	4.99 2.68	4.96 2.56	6.23 2.87	6.10 2.70	5.55 2.76	6
7	6.28 3.11	5.90 2.85	5.29 3.03	5.85 3.55	6.06 3.31	5.23 2.22	5.19 2.64	4.75 2.63	5.56 2.65	6.19 2.71	6.22 2.98	5.45 2.96	7
8	6.51 3.09	5.76 2.85	5.00 2.72	5.95 3.71	5.92 4.10	6.01 2.94	4.80 3.69	4.36 2.59	6.12 2.88	6.23 2.77	6.34 3.14	5.54 3.08	8
9	6.39 3.17	5.41 2.88	4.90 2.51	5.79 3.70	6.22 3.26	5.63 4.38	4.74 2.68	4.55 2.57	6.08 2.80	6.32 2.70	6.28 3.16	5.63 3.18	9
10	6.09 3.05	5.49 2.82	5.20 2.54	5.88 3.54	6.36 3.39	5.50 2.30	5.28 2.73	4.69 2.36	6.12 2.70	6.16 2.59	5.94 3.14	5.91 3.21	10
11	5.46 2.95	5.54 2.78	5.28 2.89	5.89 3.30	6.37 3.47	5.22 2.22	5.41 2.86	4.88 2.36	6.04 2.79	6.13 2.74	5.64 3.13	6.22 3.16	11
12	5.80 2.87	5.85 3.16	5.63 2.86	6.14 3.29	6.29 3.48	5.17 2.64	5.48 2.96	5.77 2.59	6.13 2.77	5.88 2.61	5.34 2.99	6.01 3.18	12
13	5.60 2.92	5.98 3.24	5.86 3.15	6.22 3.28	6.03 3.50	5.26 2.83	5.52 3.10	6.07 2.78	6.15 2.92	5.54 2.60	5.60 3.14	6.14 2.97	13
14	5.86 3.11	5.81 3.33	5.92 2.96	6.25 3.33	6.06 3.50	5.22 2.66	5.93 2.95	6.34 2.83	5.92 2.84	5.39 2.72	5.90 3.10	6.28 3.00	14
15	5.88 3.23	5.99 3.12	6.15 3.08	6.22 3.37	5.97 3.39	5.10 2.86	6.15 2.89	6.41 2.90	5.35 2.77	5.51 3.20	4.39 3.06	4.96 3.00	15
16	5.55 3.17	5.79 3.01	6.19 2.94	6.22 3.37	5.67 3.23	5.04 2.76	6.50 3.18	6.41 2.84	5.31 2.56	5.98 3.82	5.68 2.47	6.22 3.13	16
17	5.61 3.25	5.72 2.79	6.23 2.88	6.28 3.58	5.46 3.21	5.37 2.91	6.39 2.84	6.03 2.65	5.11 2.70	6.30 3.64	5.56 2.53	6.40 3.34	17
18	5.64 3.24	5.98 2.83	6.55 3.01	6.43 3.63	5.70 3.25	5.60 2.94	6.42 2.96	5.63 2.75	5.16 3.16	6.22 3.58	5.72 2.53	6.07 3.20	18
19	5.97 3.04	6.07 2.84	6.50 3.20	6.08 3.63	6.09 3.59	5.38 2.72	5.19 2.31	5.09 2.61	5.86 3.43	6.32 3.41	6.07 2.71	5.92 3.06	19
20	5.76 3.01	6.04 2.95	6.36 3.20	5.61 3.56	6.18 3.27	5.58 2.86	4.77 2.23	4.92 2.74	5.82 3.06	6.62 3.07	5.91 2.86	5.51 2.96	20
21	5.70 2.96	5.92 3.00	6.04 3.18	5.62 3.36	6.18 3.13	5.93 3.03	4.36 3.01	4.73 2.67	5.56 2.75	6.45 2.76	5.90 2.61	5.26 3.03	21
22	6.00 2.86	5.88 2.99	6.45 3.09	5.90 3.34	6.57 3.17	6.06 3.10	4.17 2.25	4.51 2.68	5.83 2.52	6.50 2.92	5.63 2.41	5.59 3.27	22
23	6.20 2.96	5.76 2.93	5.93 3.55	6.51 3.58	6.32 3.95	5.41 3.71	4.41 2.25	5.23 2.67	6.46 3.06	6.70 3.04	5.70 2.89	5.48 3.34	23
24	5.95 2.95	5.50 2.83	6.15 3.25	6.08 3.51	6.42 3.05	5.25 2.77	4.54 2.36	5.41 2.84	6.27 2.78	6.77 2.92	5.67 2.70	5.96 3.37	24
25	5.68 2.87	5.17 2.80	6.50 3.63	6.99 3.27	6.29 3.10	5.02 2.78	4.47 2.22	5.66 2.80	6.48 2.98	6.36 2.62	5.50 2.95	6.39 3.18	25
26	5.56 2.72	5.06 2.69	6.56 3.90	6.99 3.82	6.09 3.09	4.51 2.72	4.44 2.18	5.78 2.73	6.72 3.30	6.28 2.75	5.74 3.17	6.60 3.22	26
27	5.29 2.76	5.25 2.89	7.16 3.74	6.85 3.62	5.84 3.05	4.63 2.68	4.53 2.15	5.82 2.62	6.60 3.16	6.05 2.49	6.09 3.41	6.50 3.10	27
28	5.74 3.08	5.46 3.08	7.25 4.15	6.55 3.79	5.90 3.06	4.60 2.62	5.00 2.39	5.92 2.74	6.39 3.13	5.82 2.77	6.15 3.27	6.24 3.07	28
29	5.02 2.66	6.21 3.20	6.99 4.03	6.45 3.43	5.49 3.22	4.67 2.74	4.81 2.42	5.76 2.60	6.21 3.00	5.81 2.82	5.85 3.17	5.26 2.97	29
30	5.29 2.71	6.26 3.34	7.21 3.98	6.28 3.53		4.59 2.47	4.74 2.26	5.63 2.55	5.63 2.61	5.78 2.98	4.68 3.09	6.11 3.00	30
31	5.12 2.90		6.96 4.02	6.17 3.50		4.69 2.58		5.58 2.25		5.09 2.65	6.10 3.06		31
MAXIMUM	6.51	6.26	7.25	6.99	6.57	6.06	6.50	6.41	6.72	6.77	6.34	6.60	MAXIMUM
MINIMUM	2.66	2.69	2.51	3.27	3.05	2.22	2.15	2.19	2.07	2.49	2.35	2.76	MINIMUM

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R., M.D.B. & M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
37 50 04	121 22 59	NE 24 1S 5E		16.8	12-10-1950		JULY 48-SEPT 66	1948	1952	-2.70	USCGS
							MAR 68-DATE	1952		-2.67	USCGS
									1964	-3.23	USCGS
								1964		-3.00	USCGS

Station located at Undine Road crossing on Upper Roberts Island. Maximum of record is maximum recorded stage -- record not complete in December 1955.
Station was discontinued October 1, 1966, and reactivated February 26, 1968.

TABLE B-12 (CONT.)

DAILY MAXIMUM AND MINIMUM TIDES

(IN FEET)

WATER YEAR	STATION NUMBER	STATION NAME
1972	B95500	MIDDLE RIVER AT BORDEN HIGHWAY

DATE	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	DATE
1	2.69 -0.84	2.53 -0.58	1.91 -1.02	3.44 -0.55	2.69 -0.73	2.11 -0.64	2.05 -1.02			NR NR	2.74 -0.31	2.35 -0.24	1
2	2.54 -0.79	2.67 -0.93	2.17 -0.64	3.34 -0.65	2.24 -0.55	1.89 -0.69	2.09 -1.11			NR NR	1.63 -0.47	3.62 -0.03	2
3	2.37 -0.65	2.80 -0.97	3.35 -0.49	3.11 -0.59	2.04 -0.99	2.06 -0.68	2.68 -0.81			NR NR	3.11 -0.40	3.36 -0.32	3
4	2.67 -0.48	1.63 -1.09	3.26 -0.81	2.57 -0.66	2.45 -0.64	2.10 -0.75	2.83 -1.02			NR NR	3.45 -0.42	3.05 -0.48	4
5	2.99 -0.52	3.03 -0.94	2.54 -1.12	2.24 -0.87	2.77 -0.31	1.89 -1.08	3.01 -0.62			NR NR	3.43 -0.57	2.80 -0.57	5
6	3.10 -0.55	3.22 -0.89	2.58 -1.32	2.23 -0.81	2.76 -0.44	2.04 -1.03	2.52 -0.98			NR NR	3.30 -0.59	2.68 -0.42	6
7	3.25 -0.44	2.94 0.63	1.94 -1.03	2.52 -0.61	2.65 -0.77	2.33 -0.99	2.13 -1.18			3.19 -0.44	3.43 -0.31	2.65 -0.25	7
8	3.42 -0.47	2.87 -1.02	1.76 -1.47	2.62 -0.30	2.71 -0.84	3.01 -0.46	1.87 -1.21			3.23 -0.46	3.54 -0.16	2.63 -0.09	8
9	3.32 -0.43	2.67 -0.97	1.84 -1.67	2.49 -0.74	2.98 -0.80	2.63 -0.95	1.83 -1.09			3.33 -0.40	3.45 -0.10	2.54 -0.08	9
10	3.03 -0.54	2.61 -1.00	2.13 -1.43	2.59 -1.08	3.09 -0.80	2.52 -1.03	2.17 -0.75	N O	N O	3.22 -0.50	3.15 -0.09	2.82 -0.03	10
11	2.75 -0.72	2.21 -1.08	2.22 -1.00	2.56 -1.17	3.08 -0.85	2.31 -0.99	2.32 -0.61			3.18 -0.49	2.76 -0.12	3.05 -0.27	11
12	2.20 -0.87	2.19 0.19	2.60 -0.64	2.83 -1.07	2.98 0.62	2.26 -0.95	2.39 -0.54	R E	R E	2.92 -0.58	2.50 -0.29	2.82 -0.25	12
13	2.54 -0.80	2.43 -1.12	2.66 -1.03	2.91 0.64	2.80 -0.81	2.36 -0.09	2.64 -0.42	C	C	2.60 -0.66	2.63 -0.25	2.93 -8.50	13
14	2.64 -0.34	2.70 -0.47	2.78 0.18	2.94 -1.04	2.86 -0.62	2.28 -0.81	2.82 -0.79	O R	O R	2.45 -0.53	2.92 -0.07	3.04 -0.48	14
15	2.76 -0.12	2.88 -0.37	2.95 -0.86	2.93 -1.02	2.66 -0.68	2.17 -0.74	3.10 -0.79	D	D	2.95 0.12	2.85 -0.08	3.12 -0.40	15
16	2.45 -0.25	1.87 -0.22	2.86 -1.17	2.98 -0.92	2.28 -0.88	2.11 -0.69	3.44 -0.49			3.26 0.70	2.67 -0.53	3.36 -0.32	16
17	2.53 -0.13	2.61 -0.58	2.90 -1.37	3.00 -0.81	2.08 -0.91	2.42 -0.48	3.31 -0.84			3.19 0.59	2.82 -0.63	2.07 -0.28	17
18	2.55 -0.35	2.81 -0.91	3.22 -1.20	3.01 -0.73	2.40 -0.78	2.85 -0.45	3.38 -0.72			1.99 0.51	1.87 -0.71	3.05 -0.59	18
19	2.68 -0.60	2.54 -1.16	3.16 -0.96	2.65 -0.68	2.88 -0.24	2.60 -0.85	2.23 -1.46			3.28 0.29	3.20 -0.61	2.83 -0.64	19
20	2.72 -0.60	2.65 0.20	3.02 -0.96	2.22 -0.74	2.85 -0.70	2.70 -0.77	1.93 -1.40			3.58 0.04	3.02 -0.69	2.42 -0.80	20
21	2.62 -0.91	2.88 -1.07	2.71 -0.99	2.23 -0.87	3.04 -0.82	3.00 -0.57	1.67 -1.99			3.41 -0.38	3.00 -0.65	2.26 -0.69	21
22	2.91 -0.91	1.58 -1.07	3.11 -0.96	2.53 -0.77	3.30 -0.79	3.10 -0.52	1.49 -1.37			3.44 -0.47	2.81 -0.72	2.43 -0.36	22
23	3.11 -0.69	2.96 -1.00	2.56 -0.33	3.10 -0.52	3.13 -0.90	2.43 -1.16	1.51 -0.79			3.63 -0.40	2.88 -0.47	2.38 -0.29	23
24	2.91 -0.68	2.93 -1.00	2.81 -0.71	2.80 -0.99	3.16 -0.86	2.24 -1.10	1.77 -0.66			3.69 -0.56	2.87 -0.40	2.70 -0.30	24
25	2.60 -0.86	2.84 0.95	3.14 -0.27	3.62 -0.41	3.02 -0.90	2.05 -1.04	1.76 -0.94			3.42 -0.75	2.71 -0.37	3.12 -0.63	25
26	2.46 -1.16	2.72 -0.97	3.26 -0.34	3.60 -0.73	2.83 0.14	1.66 -1.15	NR NR			3.31 -0.69	2.77 -0.08	3.31 -0.41	26
27	2.61 -1.04	1.86 -1.07	3.81 -0.01	3.63 0.84	2.60 -0.88	1.69 -0.95	NR NR			3.10 -0.85	3.09 0.14	3.11 -0.23	27
28	1.98 -0.54	2.52 -1.23	3.80 -0.31	3.11 -0.55	2.73 -0.78	1.69 -0.89	NR NR			2.92 -0.71	3.13 0.05	3.03 -0.63	28
29	1.77 -1.99	2.21 -1.23	3.63 0.87	3.04 -0.97	2.45 -0.99	1.79 -0.82	NR NR			2.84 -0.48	2.92 -0.13	2.89 -0.79	29
30	2.06 -1.18	1.54 -1.39	3.72 -0.46	2.86 -0.86		1.78 -1.02	NR NR			2.78 -0.28	3.17 -0.39	2.83 -0.80	30
31	2.19 -0.84		3.58 -0.46	2.78 -0.89		1.90 -1.00				2.73 -0.41	3.32 -0.40		31
MAXIMUM	3.42	3.22	3.81	3.63	3.30	3.10	NR	NR	NR	NR	3.54	3.62	MAXIMUM
MINIMUM	-1.99	-1.39	-1.67	-1.17	-0.99	-1.16	NR	NR	NR	NR	-0.72	-0.80	MINIMUM

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R., M.D.B. & M.	CFS	GAGE HT	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
37 53 28	121 29 20	NW 36 1N 4E		7.2	12-26-1965		JULY 1939-DATE	1939	1943	-4.10	USCGS
								1943		0.00	USCGS
								1943		3.15	USED
									1964	-0 59	USCGS
								1964		0.00	USCGS

Station located on Victoria Island, below State Highway 4 bridge, 10 miles northwest of Tracy.

TABLE B-12 (CONT.)
DAILY MAXIMUM AND MINIMUM TIDES
(IN FEET)

WATER YEAR	STATION NUMBER	STATION NAME
1972	B95460	MIDDLE RIVER AT BACON ISLAND

DATE	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	DATE
1	5.89 2.22	5.81 2.11	6.49 3.37	6.49 2.33	5.85 2.33	5.33 2.49	5.60 2.11	5.81 1.67	6.37 2.13	NR NR	6.28 2.88	7.16 2.93	1
2	5.74 2.32	6.11 2.77	7.24 2.13	6.37 2.24	5.35 2.49	5.33 2.45	5.74 2.04	5.86 1.74	6.11 2.32	NR NR	6.69 2.74	6.91 3.12	2
3	5.62 2.44	6.13 2.07	6.62 2.51	6.12 2.39	5.16 2.17	5.54 2.51	5.96 2.28	6.06 2.05	5.71 2.26	NR NR	5.13 2.80	5.55 2.84	3
4	5.97 2.69	6.40 1.94	6.38 2.21	5.60 2.22	5.57 2.42	5.58 2.40	6.02 2.09	6.37 2.68	5.64 2.16	6.24 3.19	7.06 2.77	6.64 2.69	4
5	6.26 2.55	6.51 2.09	5.90 1.92	5.26 2.07	5.92 2.83	5.42 2.09	6.26 2.52	5.70 1.97	4.93 2.28	4.94 3.26	6.99 2.60	6.36 2.59	5
6	6.48 2.53	6.25 2.15	5.75 1.75	5.41 2.13	5.87 2.66	5.55 2.14	5.87 2.16	5.34 1.99	5.93 2.83	6.45 3.03	6.91 2.56	6.21 2.74	6
7	6.69 2.64	6.23 2.01	4.94 1.88	5.68 2.36	5.74 2.29	5.78 2.19	5.42 1.95	5.16 1.94	6.43 2.84	6.42 2.75	7.08 2.87	6.15 2.89	7
8	6.75 2.60	5.82 2.09	4.87 1.56	5.85 2.70	5.97 2.20	6.39 2.70	5.31 3.67	5.13 2.02	6.93 2.78	6.48 2.73	7.10 3.00	6.00 3.06	8
9	6.57 2.68	5.29 2.06	5.01 1.44	5.71 2.24	6.22 2.25	5.98 2.22	5.31 1.93	5.37 2.26	7.03 2.57	6.56 2.77	6.99 3.07	6.04 3.09	9
10	6.32 2.56	5.30 1.99	5.44 1.70	5.67 1.88	6.32 2.25	5.89 2.12	5.38 2.06	5.58 2.08	6.99 2.23	6.46 2.67	6.71 3.08	6.08 3.15	10
11	5.92 2.39	5.70 2.08	5.46 2.10	5.73 1.77	6.32 2.21	5.85 2.17	5.75 2.35	5.85 1.96	6.90 2.09	6.43 2.70	6.74 3.01	6.27 2.98	11
12	5.40 2.24	5.84 2.61	6.05 2.45	6.06 1.86	6.30 2.21	5.86 2.23	5.74 2.58	6.13 1.93	6.81 2.15	6.17 2.60	5.82 2.89	6.02 2.88	12
13	5.73 2.31	6.13 2.75	5.90 2.02	6.13 1.89	6.28 2.44	5.87 2.36	6.23 2.56	6.43 1.99	6.86 2.30	5.86 2.54	5.94 2.98	6.14 2.67	13
14	5.81 2.74	5.71 2.40	6.00 2.19	6.17 3.69	6.24 3.35	5.73 2.42	6.03 2.22	6.66 2.12	6.68 2.46	5.69 2.68	6.03 3.11	6.28 2.69	14
15	6.10 2.99	5.84 2.13	6.05 1.88	6.23 1.90	5.84 2.40	5.53 2.48	6.34 2.24	6.77 2.36	6.27 2.29	6.20 3.29	6.21 3.11	6.45 2.78	15
16	5.78 2.85	5.64 1.87	5.96 3.49	6.30 2.02	5.45 2.19	5.71 2.47	6.65 2.51	6.69 2.36	5.79 2.21	6.46 3.88	6.17 2.55	6.58 2.85	16
17	5.86 2.77	5.94 3.28	6.01 1.67	6.27 2.12	5.26 2.17	6.12 2.65	6.46 2.19	6.32 2.02	5.81 2.20	6.40 3.77	6.31 2.47	5.53 2.88	17
18	5.80 3.02	6.15 1.97	6.34 1.83	6.06 2.22	5.59 2.33	6.52 2.69	6.42 3.73	5.88 2.06	6.45 3.01	6.49 3.72	6.63 4.77	6.46 2.68	18
19	5.84 2.49	6.23 1.95	6.29 2.06	5.73 2.28	6.20 2.84	6.31 2.28	5.75 2.22	5.55 2.01	5.31 3.36	6.76 3.48	6.51 2.57	6.28 2.50	19
20	6.07 2.48	6.20 2.04	6.14 2.09	5.34 2.24	6.06 2.40	6.36 2.34	5.44 1.64	5.59 2.19	6.42 3.00	5.16 3.24	6.55 2.48	5.87 2.32	20
21	5.94 2.35	6.23 2.03	5.87 2.06	5.37 2.14	6.29 2.31	6.56 2.56	5.07 1.76	5.45 2.08	6.39 2.31	6.63 2.83	6.36 2.51	5.75 2.44	21
22	6.24 2.15	5.98 2.07	6.25 2.21	5.68 2.28	6.44 2.30	6.63 2.59	4.97 1.65	5.38 2.35	5.93 2.27	6.66 2.71	6.47 2.46	5.79 2.76	22
23	6.44 2.38	5.60 1.96	5.65 2.74	6.22 2.53	6.30 2.19	5.82 1.97	5.10 1.81	5.75 2.41	6.46 2.87	6.85 2.76	6.45 2.71	5.88 2.82	23
24	6.23 2.42	5.29 1.80	5.94 2.40	6.05 2.09	6.32 2.22	5.64 2.00	5.44 2.40	5.92 2.33	6.25 2.67	6.91 2.60	6.26 2.77	6.04 2.83	24
25	5.86 2.26	5.04 1.82	6.27 2.78	6.78 2.63	6.19 2.18	5.51 2.05	5.39 2.18	6.16 2.36	6.45 2.80	6.67 2.42	5.97 2.80	6.37 2.67	25
26	5.68 1.96	5.10 1.66	6.48 2.85	6.73 2.37	6.03 2.21	5.24 2.03	4.64 1.95	6.42 2.39	6.69 3.14	6.59 2.47	6.37 3.11	6.63 2.67	26
27	5.68 2.06	5.52 2.06	7.06 2.94	6.99 2.46	5.84 2.34	5.17 2.22	5.56 1.97	6.49 2.34	6.68 3.02	6.39 2.32	6.42 3.32	6.72 2.74	27
28	4.94 2.29	5.86 2.41	6.90 2.65	6.23 2.04	5.96 3.12	5.14 2.27	5.97 2.17	6.60 2.29	6.52 2.99	6.22 2.47	6.41 3.04	6.65 2.71	28
29	4.92 1.70	6.47 2.52	6.88 2.47	6.17 3.29	5.66 2.66	5.41 2.27	5.59 1.72	6.49 2.28	6.35 2.83	6.14 2.69	6.42 3.15	6.50 2.56	29
30	5.27 1.92	6.51 2.26	6.76 2.42	6.00 2.16		5.38 2.11	5.55 1.53	6.40 2.22	5.98 2.62	6.07 2.88	6.64 2.79	6.54 2.55	30
31	5.63 2.23		6.67 3.81	5.94 2.15		5.52 2.13		6.36 2.20		6.04 2.74	6.87 2.78		31
MAXIMUM	6.75	6.51	7.24	6.99	6.44	6.63	6.65	6.77	7.03	NR	7.10	7.16	MAXIMUM
MINIMUM	1.70	1.66	1.44	1.77	2.17	1.97	1.53	1.67	2.09	NR	2.46	2.32	MINIMUM

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R., M.D.B. & M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 00 07	121 31 22	SW 22 2N 4E		10.2	12-26-1955		OCT 48-SEPT 66 MAR 68-DATE	1948 1964	1964	-2.94 -3.65 -3.00	USCGS USCGS USCGS

Station located at northeast corner of Bacon Island at junction of Middle River and Connection Slough. Station was discontinued October 1, 1966, and reactivated February 26, 1968.

TABLE B-12 (CONT.)
DAILY MAXIMUM AND MINIMUM TIDES
(IN FEET)

WATER YEAR	STATION NUMBER	STATION NAME
1972	B95380	OLD RIVER AT TRACY ROAD BRIDGE

DATE	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	DATE
1	5.48 2.06	5.20 2.08	NR NR	6.82 2.92	5.96 2.45	4.94 2.30	4.55 1.89	4.70 1.39	5.32 1.89	5.56 3.04	4.13 2.45	5.79 2.63	1
2	5.53 2.16	5.42 2.00	6.75 2.29	6.72 2.83	5.49 2.62	4.58 2.19	4.40 1.80	4.91 1.44	5.37 2.04	5.95 3.29	5.18 2.34	6.15 2.84	2
3	4.99 2.20	5.60 1.96	6.24 2.63	6.47 2.92	5.30 2.28	4.67 2.21	5.68 2.11	5.02 1.76	5.08 1.96	6.07 2.85	5.76 2.46	5.80 2.56	3
4	5.44 2.43	6.05 1.86	6.26 2.39	5.76 2.78	5.73 2.50	4.59 2.11	5.79 1.89	5.66 2.40	5.13 1.83	5.76 2.81	5.89 2.40	5.55 2.40	4
5	5.67 2.42	6.08 2.02	5.36 2.08	5.56 2.53	6.05 2.79	4.05 1.75	5.67 2.27	5.07 1.74	4.54 1.92	5.88 2.88	5.97 2.27	5.33 2.30	5
6	5.83 2.41	6.00 2.08	5.53 1.86	5.28 2.54	5.99 2.68	4.74 1.80	5.36 1.99	4.82 1.69	4.63 2.41	6.11 2.66	5.80 2.29	5.27 2.44	6
7	5.98 2.48	5.62 1.92	5.22 2.25	5.51 2.65	5.88 2.38	5.00 1.83	4.96 1.79	4.36 1.67	5.24 2.44	6.07 2.37	5.95 2.56	5.31 2.64	7
8	6.25 2.44	5.52 1.96	4.94 1.71	5.86 2.90	5.72 2.29	5.82 2.40	4.42 1.74	4.08 1.73	5.79 2.48	6.14 2.35	6.07 2.71	5.43 2.80	8
9	6.16 2.46	5.30 1.99	4.77 NR	5.47 2.57	5.90 4.18	5.42 1.92	4.25 1.81	4.06 1.98	5.99 2.31	6.21 2.44	6.03 2.79	5.55 2.77	9
10	5.84 2.35	5.32 1.93	5.11 NR	5.57 3.15	6.04 2.39	5.28 1.86	5.16 2.55	4.22 1.82	5.72 1.99	6.09 2.31	5.70 2.76	5.74 2.85	10
11	5.84 2.16	5.36 1.89	5.17 2.08	5.63 2.27	5.99 2.42	4.97 3.34	5.25 2.21	4.63 1.73	5.63 1.90	6.07 2.29	5.52 2.70	6.06 2.52	11
12	5.27 2.02	5.66 2.52	5.36 2.43	5.88 2.17	5.88 2.35	4.78 1.91	5.33 2.39	5.67 1.76	6.07 1.96	5.80 2.20	4.97 2.53	5.84 2.64	12
13	5.40 2.09	5.75 2.62	5.63 2.44	5.94 2.32	5.55 2.43	4.96 1.97	NR NR	5.97 1.83	6.10 2.12	5.47 2.13	5.44 2.60	6.00 2.39	13
14	5.61 2.55	5.54 2.79	5.78 2.10	5.99 2.33	5.68 2.56	5.20 2.10	NR NR	6.22 1.80	5.89 2.20	5.34 2.25	5.74 2.74	6.14 2.42	14
15	5.66 2.79	5.77 2.50	5.89 2.26	5.94 2.36	5.61 2.46	4.92 2.15	NR NR	6.34 2.21	5.34 2.03	5.42 2.92	4.28 2.75	5.86 2.52	15
16	5.24 2.66	5.65 2.30	6.04 2.00	5.90 2.44	5.49 2.25	4.76 2.17	NR NR	6.30 2.26	5.18 1.92	5.88 3.53	5.27 2.31	6.14 2.64	16
17	5.31 2.65	5.57 1.95	6.10 1.84	6.01 2.51	5.28 2.21	5.22 2.42	NR NR	5.94 1.88	4.77 1.90	6.18 3.39	5.18 2.23	5.83 2.70	17
18	5.37 2.54	5.80 2.03	6.42 2.01	6.35 2.58	5.37 2.34	5.19 2.47	NR NR	5.55 1.90	4.95 2.70	6.09 3.33	5.33 2.16	5.53 2.50	18
19	5.82 2.31	5.84 2.04	6.37 2.24	5.97 2.58	5.78 2.82	5.71 2.08	NR NR	5.07 1.80	5.50 3.02	6.20 3.11	5.72 2.27	5.54 2.34	19
20	5.60 2.28	5.91 2.11	6.23 2.26	5.48 2.51	6.01 2.38	5.27 2.16	NR NR	4.65 1.90	5.43 2.60	6.47 2.85	5.56 2.18	5.09 2.19	20
21	5.54 2.15	5.73 2.11	5.89 2.22	5.49 2.37	5.87 2.21	5.68 2.41	NR NR	4.23 1.78	5.07 2.01	6.30 2.44	5.60 2.21	4.90 2.28	21
22	5.94 2.01	5.62 2.14	6.32 2.14	5.78 2.41	6.42 2.33	5.84 2.45	3.90 1.46	4.18 2.00	5.69 2.17	6.35 2.35	5.34 2.14	5.28 2.63	22
23	6.21 2.20	NR NR	5.85 2.77	6.33 2.62	6.03 3.52	5.16 1.86	4.37 2.06	5.12 2.14	6.40 2.75	6.56 2.47	5.40 2.38	5.44 2.70	23
24	5.78 2.19	NR NR	6.01 2.47	5.78 2.19	6.26 2.16	4.98 3.04	4.56 2.14	5.30 2.05	6.23 2.52	6.64 2.29	5.40 2.45	5.80 2.72	24
25	5.62 2.03	NR NR	6.38 2.84	6.82 3.33	6.13 2.22	4.65 1.83	4.23 1.92	5.56 2.11	6.43 2.67	6.22 2.11	5.22 2.48	6.23 2.32	25
26	5.27 1.78	NR NR	6.43 2.76	6.83 2.76	5.94 2.20	3.91 1.88	4.03 1.66	5.75 2.14	6.69 3.04	6.20 2.15	5.60 2.76	6.41 2.53	26
27	5.34 1.88	NR NR	6.87 3.68	6.51 2.49	5.63 2.20	4.32 1.76	4.33 1.61	5.52 2.09	6.54 2.91	5.97 1.99	5.97 2.99	6.27 2.48	27
28	5.44 2.62	NR NR	7.12 3.21	6.38 2.68	5.80 2.27	4.32 1.94	4.59 1.96	5.65 2.11	6.34 2.88	5.71 2.11	6.02 2.86	5.89 2.42	28
29	4.82 1.78	NR NR	6.66 3.00	6.30 2.26	5.24 2.51	4.40 2.11	4.39 1.69	5.46 2.05	6.14 2.67	5.72 2.35	5.49 2.73	4.89 2.26	29
30	5.13 1.78	NR NR	7.13 2.93	6.13 2.35		4.30 1.88	4.46 1.37	5.40 1.97	5.50 2.33	5.67 2.58	5.78 2.46	5.67 2.33	30
31	4.75 2.20		6.67 3.01	6.02 2.33		4.30 1.91		5.30 1.97		5.35 2.37	4.52 2.47		31
MAXIMUM	6.25	NR	NR	6.83	6.42	5.84	NR	6.34	6.69	6.64	6.07	6.41	MAXIMUM
MINIMUM	1.78	NR	NR	2.17	2.16	1.75	NR	1.39	1.83	1.99	2.14	2.19	MINIMUM

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R., M.D.B & M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
37 48 30	121 26 06	SW 32 1S 5E		13.2	12-29-1955		JUN 51-DEC 54 o" FEB 55-DATE	1958 1964	 1964 	-4.44 -4.47 -3.00	USCGS USCGS USCGS

Station located 80 feet above Tracy Road bridge, 3.5 miles northwest of Tracy.

" o - Irrigation season only.

TABLE B-12 (CONT.)
DAILY MAXIMUM AND MINIMUM TIDES
(IN FEET)

WATER YEAR	STATION NUMBER	STATION NAME
1972	B95420	TOM PAINE SLOUGH ABOVE MOUTH

DATE	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	DATE
1	5.51 2.19	5.24 2.19	6.14 2.58	6.84 3.16	5.98 2.69	4.85 2.49	4.55 2.07	4.65 1.59	5.32 2.05	5.54 3.12	4.13 2.58	5.77 2.75	1
2	5.51 2.28	5.44 2.11	6.80 2.45	6.75 3.05	5.51 2.84	4.52 2.40	4.44 2.00	4.87 1.65	5.27 2.20	5.88 3.35	5.16 2.49	6.14 2.95	2
3	5.05 2.31	5.62 2.07	6.28 2.82	6.50 3.15	5.32 2.54	4.63 2.40	5.64 2.29	4.96 1.96	5.03 2.11	6.03 2.95	5.70 2.61	5.81 2.71	3
4	5.46 2.51	6.08 1.97	6.25 2.57	5.77 2.98	5.76 2.73	4.56 2.30	5.75 2.07	5.61 2.53	5.08 1.97	5.71 2.92	5.87 2.54	5.50 2.55	4
5	5.68 2.51	6.10 2.14	5.38 2.29	5.59 2.75	6.07 2.98	4.11 1.95	5.59 2.44	5.05 1.96	4.50 2.05	5.83 3.00	5.95 2.42	5.27 2.43	5
6	5.83 2.50	6.02 2.20	5.60 2.06	5.31 2.76	6.02 2.89	4.71 2.00	5.37 2.17	4.81 1.89	4.61 2.54	6.07 2.76	5.78 2.43	5.24 2.58	6
7	6.01 2.60	5.68 2.03	5.25 2.46	5.52 2.85	5.89 2.61	4.98 2.03	4.99 1.97	4.28 1.84	5.21 2.57	6.03 2.50	5.88 2.72	5.28 2.76	7
8	6.27 2.58	5.55 2.08	4.94 1.92	5.87 3.08	5.74 2.52	5.78 2.57	4.44 1.94	4.06 1.90	5.76 2.62	6.10 2.46	6.06 2.84	5.38 2.90	8
9	6.16 2.58	5.32 2.13	4.82 1.62	5.51 2.80	5.86 4.26	5.43 2.13	4.29 2.00	4.05 2.13	5.87 2.46	6.16 2.54	6.01 2.92	5.53 2.90	9
10	5.45 2.47	5.34 2.11	5.12 1.80	5.59 3.29	6.09 2.64	5.31 2.08	5.14 2.66	4.16 1.97	5.71 2.14	6.03 2.43	5.70 2.89	5.72 2.95	10
11	5.85 2.29	5.40 2.05	5.14 2.28	5.66 2.48	6.02 2.68	4.99 3.45	5.21 2.38	4.60 1.90	5.62 2.05	6.01 2.43	5.44 2.85	6.05 2.67	11
12	5.47 2.15	5.64 2.66	5.40 2.56	5.91 2.45	5.91 2.65	4.81 2.14	5.31 2.52	5.61 1.94	6.00 2.11	5.74 2.33	4.95 2.66	5.82 2.80	12
13	5.40 2.22	5.78 2.76	5.68 2.62	5.99 2.58	5.59 2.70	4.97 2.18	5.14 2.77	5.88 2.01	6.02 2.27	5.40 2.26	5.39 2.70	5.97 2.55	13
14	5.60 2.65	5.59 2.91	5.80 2.33	6.01 2.60	5.73 2.80	4.93 2.32	5.78 2.43	6.16 1.99	5.83 2.36	5.28 2.37	5.68 2.86	6.12 2.60	14
15	5.66 2.89	5.81 2.65	5.89 2.47	5.97 2.63	5.64 2.69	4.90 2.34	6.01 2.42	6.28 2.37	5.28 2.21	5.38 3.04	5.29 2.88	5.87 2.69	15
16	5.29 2.77	5.67 2.46	6.07 2.22	5.93 2.66	5.52 2.49	4.78 2.34	6.36 2.54	6.25 2.41	5.16 2.09	5.82 3.63	4.00 2.47	6.12 2.81	16
17	5.34 2.78	5.58 2.16	6.13 2.11	6.05 2.73	5.31 2.47	5.17 2.56	6.24 2.43	5.90 2.06	4.67 2.03	6.15 3.49	5.17 2.37	5.88 2.87	17
18	5.39 2.68	5.82 2.22	6.45 2.27	6.37 2.81	5.39 2.56	5.21 2.64	6.28 2.55	5.52 2.06	4.87 2.83	6.06 3.44	5.31 2.30	5.59 2.68	18
19	5.82 2.45	5.85 2.22	6.40 2.49	6.00 2.81	5.81 3.02	4.98 2.26	5.13 1.70	4.98 1.95	5.51 3.13	6.15 3.22	5.73 2.42	5.56 2.52	19
20	5.63 2.41	5.93 2.29	6.26 2.50	5.50 2.73	6.05 2.60	5.27 2.34	4.69 1.71	4.58 2.04	5.43 2.73	6.43 2.95	5.54 2.33	5.09 2.39	20
21	5.55 2.28	5.76 2.32	5.87 2.46	5.50 2.56	5.91 2.45	5.68 2.58	4.20 1.58	4.22 1.93	5.08 2.17	6.27 2.57	5.58 2.37	4.92 2.46	21
22	5.94 2.12	5.64 2.35	6.34 2.37	5.80 2.61	6.38 2.55	5.83 2.63	3.88 1.68	4.18 2.14	5.64 2.29	6.30 2.49	5.29 2.29	5.28 2.76	22
23	6.18 2.31	5.55 2.26	5.85 2.94	6.37 2.81	5.98 2.40	5.20 2.07	4.34 2.23	5.06 2.31	6.34 2.85	6.51 2.60	5.36 2.52	5.41 2.83	23
24	5.79 2.29	5.33 2.12	6.01 2.64	5.81 2.43	6.24 3.53	4.99 2.05	4.51 2.29	5.26 2.22	6.19 2.63	6.60 2.44	5.34 2.59	5.79 2.87	24
25	5.62 2.15	4.98 2.06	6.41 3.01	6.85 3.45	6.10 2.44	4.67 3.08	4.16 2.07	5.50 2.26	6.38 2.77	6.17 2.24	5.20 2.61	6.23 2.51	25
26	5.29 1.85	4.81 1.88	6.47 2.99	6.86 2.96	5.87 2.44	3.97 2.08	4.01 1.83	5.71 2.30	6.64 3.12	6.15 2.29	5.55 2.87	6.43 2.68	26
27	5.32 1.99	5.02 2.19	6.93 3.82	6.56 2.74	5.59 2.43	4.33 1.96	4.26 1.77	5.50 2.25	6.49 3.00	5.87 2.13	5.94 3.11	6.21 2.58	27
28	5.45 2.74	5.48 2.50	7.16 3.41	6.41 2.92	5.74 2.47	4.32 2.13	4.61 2.10	5.61 2.23	6.29 2.96	5.63 2.26	5.97 2.97	5.91 2.51	28
29	4.83 1.87	5.95 2.59	6.69 3.23	6.32 2.54	5.16 2.72	4.40 2.26	4.39 1.86	5.43 2.20	6.09 2.77	5.64 2.48	5.46 2.86	4.92 2.35	29
30	5.13 1.83	6.04 2.75	7.16 3.17	6.15 2.63		4.29 2.05	4.45 1.56	5.35 2.15	5.48 2.45	5.60 2.71	4.40 2.60	5.71 2.43	30
31	4.77 2.32		6.73 3.25	6.05 2.60		4.29 2.07		5.27 2.12		5.25 2.51	5.75 2.61		31
MAXIMUM	6.27	6.10	7.16	6.86	6.38	5.83	6.36	6.28	6.64	6.60	6.06	6.43	MAXIMUM
MINIMUM	1.83	1.88	1.62	2.43	2.40	1.95	1.56	1.59	1.97	2.13	2.29	2.35	MINIMUM

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R., M.D.B. & M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
37 47 27	121 25 03	NE 4 2S 5E		14.6	12-29-1955		JUNE 51-OCT 53o"	1955		-4.22	USCGS
							APR 54-SEP 66		1964	-4.43	USCGS
							MAR 58-DATE	1964		-3.00	USCGS

Station located 0.1 mile east of mouth of Sugar Cut, 2.2 miles above mouth, 2.6 miles north of Tracy. Station was discontinued September 30, 1966, and reactivated February 26, 1968.
"
o - Irrigation season only.

TABLE B-12 (CONT.)

DAILY MAXIMUM AND MINIMUM TIDES

(IN FEET)

WATER YEAR	STATION NUMBER	STATION NAME
1972	B95340	OLD RIVER AT CLIFTON COURT FERRY

DATE	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	DATE
1	NR	4.92	5.40	6.47	NR	4.73	4.28	4.54	5.13	5.78	3.99	5.58	1
	NR	2.53	2.39	2.81	NR	2.15	1.81	1.31	1.77	2.99	2.44	2.59	
2	NR	5.14	6.00	6.38	NR	4.36	4.13	4.69	5.09	5.52	4.96	5.91	2
	NR	2.44	2.26	2.72	NR	2.08	1.69	1.37	1.91	3.26	2.35	2.80	
3	NR	5.34	5.91	6.16	4.83	4.42	5.48	4.84	4.89	5.89	5.51	5.59	3
	NR	2.41	2.54	2.82	2.22	2.13	2.00	1.67	1.83	2.85	2.43	2.56	
4	NR	5.67	5.82	5.47	5.26	4.36	5.61	5.39	4.96	5.61	5.67	5.22	4
	NR	2.28	2.67	2.69	2.45	2.04	1.80	2.27	1.78	2.80	2.41	2.38	
5	NR	5.82	5.16	5.19	5.59	3.98	5.50	5.08	4.37	5.69	5.75	5.04	5
	NR	2.44	2.33	2.45	2.79	1.69	2.21	1.53	1.88	2.87	2.25	2.27	
6	NR	5.63	5.28	5.05	5.58	4.57	5.14	4.63	4.50	5.93	5.57	5.02	6
	NR	2.47	2.08	2.40	2.59	1.75	1.85	1.59	2.43	2.64	2.27	2.43	
7	NR	5.41	4.78	5.30	5.51	4.89	4.82	4.17	5.00	5.89	5.65	5.08	7
	NR	2.33	2.40	2.54	2.28	1.79	1.60	1.58	2.44	2.36	2.56	2.61	
8	5.99	5.30	4.45	5.50	5.47	5.69	4.25	3.87	5.53	5.95	5.85	5.17	8
	2.79	2.36	1.91	2.81	2.20	2.35	1.61	1.61	2.40	2.34	2.72	2.78	
9	5.92	4.86	4.46	5.25	5.71	5.29	4.02	3.93	5.76	6.01	5.81	5.28	9
	2.81	2.33	1.64	2.43	2.28	1.85	1.70	1.83	2.23	2.41	2.78	2.72	
10	5.09	4.92	4.69	5.36	5.89	5.11	4.97	4.00	5.49	5.91	5.48	5.48	10
	2.69	2.23	1.84	2.08	4.26	1.74	2.09	1.74	1.89	2.30	2.77	2.79	
11	5.66	5.01	4.82	5.41	5.81	4.72	5.05	4.42	5.48	5.90	5.30	5.79	11
	2.52	2.27	2.33	3.40	2.26	1.77	2.22	1.64	1.78	2.31	2.62	2.47	
12	5.29	5.26	5.09	5.59	5.65	4.53	5.16	5.47	5.83	5.64	4.72	5.60	12
	2.37	2.80	2.77	2.01	2.18	1.81	2.30	1.63	1.82	2.22	2.45	2.61	
13	5.12	5.44	5.30	5.70	5.21	4.77	5.03	5.78	5.88	5.31	5.21	5.75	13
	2.46	2.94	2.69	2.14	2.27	2.72	2.45	1.70	2.00	2.14	2.46	2.39	
14	5.14	5.21	5.41	5.73	5.41	4.72	5.62	6.01	5.65	5.17	5.52	5.83	14
	2.90	3.03	2.36	2.17	2.43	1.97	2.12	1.58	1.95	2.28	2.67	2.41	
15	5.29	5.39	5.51	5.69	5.27	4.73	5.89	6.12	5.08	5.68	5.13	5.69	15
	3.13	2.74	2.53	2.21	2.38	2.05	2.10	2.10	1.86	2.90	2.71	2.50	
16	5.02	5.19	5.52	5.62	5.04	4.63	6.21	6.05	5.00	5.47	3.89	5.78	16
	3.08	2.55	2.27	2.31	2.18	2.10	2.03	2.06	1.75	3.52	2.28	2.59	
17	5.12	5.24	5.58	5.71	4.83	4.99	6.10	5.73	4.59	6.01	5.00	5.74	17
	3.07	2.26	2.08	2.41	2.14	2.32	2.03	1.70	1.83	3.39	2.18	2.58	
18	5.15	5.48	5.92	5.91	5.03	4.93	6.10	5.32	4.81	5.90	5.14	5.34	18
	2.95	2.36	2.26	2.50	2.27	2.34	2.13	1.66	2.61	3.34	2.06	2.36	
19	5.37	5.57	5.83	5.53	5.56	4.72	4.95	4.90	5.28	5.99	5.54	5.27	19
	2.74	2.37	2.50	2.50	2.77	1.94	1.31	1.73	2.99	3.09	2.24	2.20	
20	5.33	5.55	5.70	5.08	5.61	5.02	4.50	4.45	5.22	6.28	5.35	4.79	20
	2.71	2.47	2.52	2.43	2.30	2.03	1.38	1.88	2.61	2.86	2.14	2.05	
21	5.28	5.39	5.44	5.07	5.67	5.46	4.06	4.02	4.85	6.12	5.35	4.69	21
	2.59	2.47	2.49	2.30	2.17	2.25	1.25	1.75	1.94	2.43	2.18	2.17	
22	5.57	5.38	5.84	5.34	6.09	5.62	3.72	3.96	5.51	6.16	5.10	5.01	22
	2.43	2.48	2.58	2.37	2.22	2.30	1.41	2.01	2.03	2.35	2.11	2.51	
23	5.79	5.20	5.43	5.85	5.78	5.01	4.13	4.84	6.25	6.36	5.15	5.04	23
	2.62	2.39	2.98	2.56	2.14	1.67	1.99	2.02	2.65	2.41	2.38	2.59	
24	5.48	5.00	5.63	5.44	5.89	4.77	4.36	5.08	6.08	6.41	5.13	5.42	24
	2.61	2.20	2.63	2.11	3.57	1.65	2.10	1.97	2.52	2.28	2.42	2.60	
25	5.36	4.56	6.01	NR	5.88	4.40	4.07	5.35	6.28	6.00	5.02	5.84	25
	2.45	2.04	2.89	NR	2.18	1.73	1.85	2.02	2.65	2.06	2.45	2.17	
26	4.64	4.43	6.20	NR	5.67	3.69	3.89	5.55	6.52	5.98	5.39	6.02	26
	2.14	1.88	2.87	NR	1.92	1.62	1.62	2.06	3.00	2.14	2.75	2.45	
27	5.14	4.56	6.57	NR	5.38	4.13	4.11	5.30	6.37	5.79	5.77	5.81	27
	2.22	2.17	3.16	NR	1.93	2.22	1.57	2.00	2.88	1.95	2.97	2.47	
28	5.22	4.82	6.80	NR	5.55	4.12	4.38	5.42	6.17	5.54	5.83	5.66	28
	2.78	2.49	3.93	NR	2.04	1.78	1.82	1.99	2.84	2.09	2.90	2.44	
29	4.39	5.32	6.40	NR	5.00	4.23	4.21	5.27	5.98	5.53	5.26	4.70	29
	2.06	3.02	2.91	NR	2.37	2.01	1.56	1.95	2.65	2.34	2.74	2.29	
30	4.61	5.40	6.78	NR		4.14	4.23	5.15	5.34	5.44	5.56	5.48	30
	2.16	2.60	2.83	NR		1.80	1.25	1.83	2.32	2.52	2.43	2.30	
31	4.54		6.50	NR		4.15		5.13		5.17	4.38		31
	2.57		2.90	NR		1.82		1.83		2.39	2.44		
MAXIMUM	NR	5.82	6.80	NR	NR	5.69	6.21	6.12	6.52	6.41	5.85	6.02	MAXIMUM
MINIMUM	NR	1.88	1.64	NR	NR	1.62	1.25	1.31	1.75	1.95	2.06	2.05	MINIMUM

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R., M.D.B. & M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
37 49 28	121 33 05	SE 20 1S 4E		9.7	12-26-1955		DEC 1948-DATE	1948	1952	-2.25	USCGS
								1952		-2.12	USCGS
									1964	-2.56	USCGS
								1964		-3.00	USCGS

Station located approximately 2,000 feet below junction with Grant Line Canal. Maximum gage height listed does not indicate maximum discharge.

TABLE B-12 (CONT.)

DAILY MAXIMUM AND MINIMUM TIDES

(IN FEET)

WATER YEAR	STATION NUMBER	STATION NAME
1972	B95278	ITALIAN SLOUGH NEAR MOUTH

DATE	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	DATE
1	2.61	2.42	3.28	3.58	2.79	1.13	1.89	2.09	NR	3.00	2.56	3.45	1
	-0.79	-0.56	-0.71	-0.41	-0.68	-1.65	-1.02	-1.16	NR	0.13	-0.37	-0.23	
2	2.61	2.59	3.85	3.48	2.35	1.77	1.87	2.03	NR	3.11	1.64	3.55	2
	-0.72	-0.91	-0.82	-0.48	-1.04	-1.71	-1.14	-1.18	NR	0.42	-0.48	-0.04	
3	2.29	2.72	3.31	3.23	1.13	1.89	2.75	2.25	2.23	2.41	3.07	3.24	3
	-0.64	-0.95	-0.47	-0.37	-1.83	-0.71	-0.83	-1.14	-0.99	0.04	-0.40	-0.32	
4	2.59	3.00	3.33	2.65	1.55	1.95	2.91	2.67	2.31	2.89	3.32	2.97	4
	-0.44	-1.06	-0.75	-0.52	-1.59	-0.78	-1.03	-0.57	-1.03	-0.01	-0.43	-0.46	
5	2.99	3.13	2.52	2.33	1.90	1.62	2.97	2.20	1.80	3.01	3.35	2.74	5
	-0.48	-0.90	-1.04	-0.71	-1.24	-1.13	-0.62	-1.16	-0.94	0.05	-0.59	-0.57	
6	3.00	2.92	2.53	2.27	1.85	1.87	2.43	1.93	2.10	3.25	3.22	2.61	6
	-0.51	-0.86	-1.16	-0.68	-1.41	-1.06	-0.99	-1.17	-0.38	-0.19	-0.61	-0.42	
7	3.20	2.77	2.01	2.52	1.76	2.20	2.02	1.79	2.67	3.21	3.34	2.54	7
	-0.40	-1.00	-0.94	-0.50	-1.73	-1.02	-1.11	-1.15	-0.36	-0.46	-0.32	-0.25	
8	3.38	2.62	1.84	2.63	1.71	2.95	1.69	1.29	3.19	3.27	3.45	2.53	8
	-0.43	-0.93	-1.18	-0.20	-1.79	-0.48	-1.13	-1.16	-0.42	-0.47	-0.17	-0.07	
9	3.25	2.28	1.90	2.52	2.03	2.58	1.62	1.52	3.17	3.34	3.38	2.66	9
	-0.39	-0.98	-1.19	-0.61	-1.74	-0.97	-1.11	-0.98	-0.60	-0.42	-0.09	-0.14	
10	3.01	2.21	2.01	2.56	2.13	2.46	2.22	1.69	3.17	3.23	3.07	2.82	10
	-0.52	-1.04	-1.16	-0.98	-1.76	-1.04	-0.74	-1.09	-0.91	-0.52	-0.09	-0.06	
11	2.70	2.35	2.12	2.59	2.10	2.15	2.38	1.92	3.09	3.23	2.67	3.08	11
	-0.71	-0.98	-0.95	-1.06	0.00	-1.03	-0.60	-1.14	-1.05	-0.51	-0.21	-0.29	
12	2.26	2.76	2.56	2.85	1.98	2.12	2.41	2.84	3.29	2.97	2.40	2.86	12
	-0.85	-0.46	-0.60	-0.95	-1.82	-0.99	-0.53	-1.14	-1.00	-0.60	-0.38	-0.22	
13	2.48	2.77	2.66	2.94	1.69	2.21	2.49	3.12	3.29	2.65	2.58	3.00	13
	-0.78	-0.33	-0.98	0.72	-1.77	-0.09	-0.42	-1.13	-0.83	-0.68	-0.38	-0.50	
14	2.64	2.66	2.77	2.99	1.79	2.20	2.87	3.39	3.03	2.50	2.89	3.11	14
	-0.37	-0.57	0.24	-0.93	-1.60	-0.82	-0.75	-1.18	-0.87	-0.53	-0.16	-0.48	
15	2.67	2.79	2.96	2.93	1.70	2.04	3.15	3.50	2.41	3.01	2.79	3.08	15
	-0.12	0.11	-0.82	-0.89	-1.66	-0.75	-0.75	-0.75	-0.95	0.06	-0.13	-0.39	
16	2.47	2.60	2.93	2.96	1.36	2.04	3.46	3.43	2.25	3.32	2.56	3.28	16
	-0.22	-0.79	-1.11	-0.79	-1.86	-0.72	-0.53	-0.79	-1.08	0.69	-0.54	-0.31	
17	2.49	2.60	2.98	3.03	1.15	2.30	3.34	3.07	2.25	3.23	2.70	2.23	17
	-0.10	-1.09	-1.17	-0.70	-1.89	-0.51	-0.82	-1.17	-1.00	0.54	-0.66	-0.27	
18	2.45	2.85	3.31	3.14	1.44	2.61	3.36	2.67	1.78	2.05	1.82	2.93	18
	-0.35	-1.02	-1.13	-0.61	-1.75	-0.48	-0.72	-1.18	-0.22	0.51	-0.80	-0.49	
19	2.74	2.94	3.25	2.78	1.87	2.42	2.23	2.26	2.87	3.31	3.08	2.77	19
	-0.58	-1.02	-0.90	-0.59	-1.20	-0.86	-1.16	-1.13	0.18	0.27	-0.61	-0.64	
20	2.66	2.91	3.10	2.34	1.93	2.59	1.80	1.88	2.82	3.57	2.92	2.35	20
	-0.60	-0.95	-0.88	-0.65	-1.69	-0.81	-1.16	-0.99	-0.21	0.03	-0.70	-0.80	
21	2.60	2.76	2.80	2.35	1.97	2.92	1.51	NR	2.58	3.24	2.94	2.15	21
	-0.73	-0.96	-0.92	-0.78	-1.81	-0.58	-1.15	NR	-0.86	-0.40	-0.67	-0.69	
22	2.88	2.72	3.20	2.65	2.36	2.99	1.27	NR	2.80	3.50	2.75	2.37	22
	-0.87	-0.93	-0.80	-0.68	-1.77	-0.53	-1.16	NR	-0.84	-0.49	-0.75	-0.36	
23	3.07	2.52	2.69	3.15	2.15	2.36	1.40	NR	3.42	3.67	2.79	2.28	23
	-0.70	-1.02	-0.30	-0.48	-1.87	-1.12	-0.82	NR	-0.24	-0.41	-0.49	-0.30	
24	2.83	2.28	2.87	2.83	2.20	2.17	1.68	NR	3.24	3.72	2.76	2.74	24
	-0.68	-1.10	-0.55	-0.95	-1.86	-1.11	-0.69	NR	-0.37	-0.57	-0.43	-0.30	
25	2.60	1.98	3.26	3.68	2.10	1.91	1.48	NR	3.44	3.45	2.65	3.19	25
	-0.86	-1.11	-0.20	-0.37	-0.61	-1.08	-0.97	NR	-0.23	-0.78	-0.40	-0.65	
26	2.41	1.89	3.43	3.70	1.91	1.41	1.49	NR	3.70	3.34	2.78	3.36	26
	-1.09	-1.13	-0.15	-0.65	-1.88	-1.14	-1.14	NR	0.14	-0.71	-0.09	-0.42	
27	2.46	2.07	3.82	3.62	1.67	1.55	1.66	NR	3.59	3.15	3.14	3.41	27
	-1.03	-0.99	0.04	0.89	-1.87	-1.03	-1.16	NR	0.01	-0.87	0.11	-0.39	
28	2.03	2.33	3.92	3.21	1.80	1.52	2.05	NR	3.40	2.96	3.17	3.17	28
	-0.55	-0.62	-0.19	-0.48	-1.79	-0.92	-1.00	NR	-0.03	-0.74	0.05	-0.45	
29	1.81	3.05	3.68	3.14	1.45	1.55	1.81	NR	3.24	2.90	2.85	2.98	29
	-1.16	-0.48	0.91	-0.94	-1.44	-0.85	-1.22	NR	-0.22	-0.50	-0.14	-0.60	
30	2.09	3.11	3.87	2.96		1.59	1.81	NR	2.66	2.80	3.10	2.16	30
	-1.09	0.17	-0.35	-0.82		-1.03	-1.22	NR	-0.51	-0.32	-0.40	-0.60	
31	2.03		3.58	2.89		1.71		NR		2.73	3.20		31
	-0.81		-0.30	-0.84		-1.02		NR		-0.46	-0.38		
MAXIMUM	3.38	3.13	3.92	3.70	2.79	2.99	3.46	NR	NR	3.72	3.45	3.55	MAXIMUM
MINIMUM	-1.16	-1.13	-1.19	-1.06	-1.89	-1.71	-1.22	NR	NR	-0.87	-0.80	-0.80	MINIMUM

NR - No record.

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R., M.D.B. & M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
37 51 38	121 34 48	NW 7 1S 4E		6.34	2-15-1969		MAY 1968-DATE	1968		0.00	USCGS

Station located on Clifton Court Island, 6.1 miles southeast of Byron.

TABLE B-12 (CONT.)

DAILY MAXIMUM AND MINIMUM TIDES

(IN FEET)

WATER YEAR	STATION NUMBER	STATION NAME
1972	B95300	GRANT LINE CANAL AT TRACY ROAD BRIDGE

DATE	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	DATE
1	5.44 2.21	5.19 2.23	6.08 2.55	6.74 3.08	5.88 2.63	4.83 2.49	4.50 2.07	4.67 1.60	5.39 2.06	5.52 3.14	4.14 2.61	5.76 2.78	1
2	5.38 2.32	5.36 2.15	6.72 2.43	6.65 2.99	5.42 2.79	4.55 2.40	4.35 1.99	4.88 1.65	5.26 2.21	5.89 3.38	5.13 2.50	6.10 2.98	2
3	5.05 2.36	5.57 2.12	6.19 2.79	6.41 3.06	5.22 2.47	4.58 2.40	5.62 2.29	5.03 1.94	5.01 2.12	6.00 2.98	5.67 2.61	5.78 2.72	3
4	5.43 2.56	6.00 2.01	6.12 2.53	5.69 2.93	5.65 2.66	4.54 2.31	5.75 2.07	5.64 2.54	5.05 1.99	5.69 2.94	5.85 2.56	5.43 2.56	4
5	5.63 2.55	6.13 2.18	5.32 2.26	5.50 2.69	5.98 2.95	4.12 1.96	5.63 2.44	5.02 1.92	4.53 2.09	5.82 3.02	5.93 2.44	5.22 2.45	5
6	5.80 2.54	5.96 2.23	5.54 2.04	5.27 2.70	5.95 2.85	4.78 2.00	5.36 2.16	4.77 1.86	4.71 2.57	6.04 2.79	5.77 2.44	5.20 2.60	6
7	5.97 2.63	5.60 2.07	5.11 2.38	5.48 2.80	5.85 2.55	5.07 2.04	5.00 1.96	4.29 1.85	5.17 2.60	6.00 2.53	5.86 2.71	5.32 2.78	7
8	6.21 2.61	5.49 2.12	4.81 1.88	5.84 3.04	5.71 2.48	5.90 2.57	4.41 1.92	4.04 1.90	5.71 2.63	6.07 2.49	6.05 2.84	5.41 2.93	8
9	6.12 2.62	5.24 2.14	4.78 1.60	5.45 2.73	5.85 2.57	5.43 2.13	4.25 1.99	4.11 2.14	5.98 2.45	6.15 2.56	5.99 2.92	5.45 2.90	9
10	5.82 2.50	5.26 2.09	5.06 1.77	5.56 2.42	6.09 4.29	5.30 2.08	5.10 2.37	4.17 1.98	5.68 2.16	6.03 2.46	5.68 2.90	5.67 2.98	10
11	5.28 2.31	5.38 2.09	5.17 2.25	5.71 3.51	5.99 2.61	4.95 2.13	5.16 2.43	4.70 1.91	5.59 2.06	6.00 2.47	5.44 2.86	5.98 2.65	11
12	5.45 2.17	5.55 2.66	5.33 2.59	5.85 2.37	5.85 2.56	4.77 3.17	5.27 2.54	5.58 1.95	5.97 2.11	5.74 2.30	4.93 2.68	5.78 2.76	12
13	5.31 2.24	5.79 2.75	5.64 3.18	5.91 2.49	5.52 2.62	4.95 2.16	5.19 2.74	5.89 2.01	5.99 2.28	5.40 2.29	5.38 2.73	5.93 2.55	13
14	5.46 2.68	5.53 2.89	5.78 2.28	5.95 2.53	5.68 2.74	4.92 2.31	5.73 2.44	6.14 1.98	5.78 2.36	5.27 2.42	5.66 2.88	6.06 2.59	14
15	5.58 2.92	5.76 2.64	5.91 2.42	5.92 2.54	5.60 2.63	4.88 2.35	5.98 2.41	6.27 2.37	5.25 2.21	5.38 3.06	5.29 2.90	4.78 2.69	15
16	5.25 2.80	5.58 2.44	5.98 2.19	5.87 2.60	5.41 2.44	4.81 2.36	6.33 2.52	6.25 2.40	5.11 2.07	5.81 3.64	4.04 2.48	6.03 2.78	16
17	5.31 2.80	5.58 2.12	6.04 2.05	5.97 2.68	5.20 2.41	5.15 2.57	6.21 2.40	5.88 2.06	4.71 2.07	6.13 3.51	5.17 2.37	5.92 2.85	17
18	5.37 2.70	5.85 2.19	6.36 2.21	6.28 2.75	5.34 2.50	5.17 2.65	6.23 2.52	5.49 2.04	4.70 2.83	6.04 3.46	5.31 2.31	5.52 2.65	18
19	5.74 2.48	5.82 2.20	6.31 2.43	5.90 2.74	5.79 2.99	4.94 2.26	5.07 1.69	4.94 1.96	5.46 3.16	6.14 3.23	5.72 2.43	5.51 2.50	19
20	5.63 2.44	5.89 2.28	6.16 2.44	5.42 2.67	5.95 2.56	5.25 2.34	4.68 1.69	4.55 2.05	5.41 2.75	6.43 2.98	5.54 2.35	5.05 2.36	20
21	5.55 2.31	5.68 2.28	5.86 2.40	5.42 2.53	5.87 2.43	5.66 2.56	4.24 1.58	4.20 1.93	5.05 2.17	6.25 2.60	5.56 2.38	4.89 2.44	21
22	5.92 2.17	5.59 2.31	6.26 2.38	5.71 2.57	6.38 2.51	5.86 2.61	3.89 1.68	4.27 2.16	5.64 2.28	6.29 2.50	5.27 2.32	5.23 2.75	22
23	6.12 2.36	5.50 2.23	5.78 2.93	6.27 2.77	6.06 2.37	5.22 2.05	4.25 2.23	5.01 2.30	6.34 2.85	6.50 2.62	5.34 2.55	5.30 2.82	23
24	5.84 2.34	5.23 2.07	5.93 2.64	5.75 2.37	6.20 3.66	5.01 2.04	4.49 2.32	5.19 2.22	6.16 2.66	6.57 2.44	5.30 2.60	5.70 2.84	24
25	5.60 2.18	4.91 2.03	6.30 2.97	6.74 2.92	6.07 2.42	4.63 2.07	4.15 2.09	5.46 2.28	6.37 2.80	6.15 2.26	5.19 2.64	6.16 2.48	25
26	5.26 1.88	4.78 1.86	6.39 2.97	6.78 3.99	5.87 2.40	3.91 2.75	4.00 1.84	5.63 2.31	6.63 3.14	6.11 2.31	5.52 2.90	6.34 2.67	26
27	5.01 2.01	4.97 2.18	6.84 3.80	6.53 2.68	5.55 2.40	4.34 1.95	4.26 1.81	5.48 2.28	6.48 3.03	5.89 2.16	5.89 3.13	6.10 2.61	27
28	5.48 2.65	5.39 2.51	7.05 3.36	6.31 2.85	5.72 2.45	4.33 2.13	4.61 2.14	5.59 2.25	6.27 2.98	5.63 2.28	5.95 3.00	5.88 2.55	28
29	4.70 1.85	5.86 3.07	6.61 3.16	6.23 2.46	5.15 2.71	4.42 2.27	4.42 1.84	5.55 2.21	6.06 2.80	5.63 2.51	5.43 2.89	4.93 2.38	29
30	5.02 1.87	6.02 2.72	7.06 3.09	6.05 2.55		4.28 2.05	4.40 1.55	5.35 2.14	5.48 2.48	5.57 2.73	5.74 2.63	5.68 2.45	30
31	4.78 2.33		6.68 3.17	5.95 2.51		4.30 2.08		5.39 2.12		5.20 2.53	4.54 2.62		31
MAXIMUM	6.21	6.13	7.06	6.78	6.38	5.90	6.33	6.27	6.63	6.57	6.05	6.34	MAXIMUM
MINIMUM	1.85	1.86	1.60	2.37	2.37	1.95	1.55	1.60	2.07	2.16	2.31	2.36	MINIMUM

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R., M.D.B. & M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
37 49 13	121 26 55	NE 29 1S 5E		14.7	12-11-1950		OCT 40-SEPT 66 MAR 68-DATE	1940 1952 1953 1960 1964	1952 1953 1960 1964 	-3.66 -4.13 -2.13 -3.00 -3.56 -3.00	USCGS USCGS USCGS USCGS USCGS USCGS

Station located at Tracy Road bridge crossing, 5 miles north of Tracy. Station was discontinued October 4, 1966, and reactivated March 1, 1968.

TABLE B-12 (CONT.)

DAILY MAXIMUM AND MINIMUM TIDES

(IN FEET)

WATER YEAR	STATION NUMBER	STATION NAME
1972	B95270	OLD RIVER NEAR BYRON

DATE	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	DATE
1	2.65 -0.85	2.50 -0.60	NR NR	3.44 -0.54	2.69 -0.72	2.09 -0.66	2.05 -1.02	2.24 -1.49	2.88 -1.02	2.93 0.14	2.72 -0.32	2.30 -0.24	1
2	2.53 -0.75		NR NR	3.34 -0.62	2.25 -0.54	1.86 -0.70	2.07 -1.12	2.20 -1.43	2.51 -0.87	3.04 0.41	1.63 -0.47	3.66 -0.04	2
3	2.34 -0.66		NR NR	3.09 -0.49	2.03 -0.87	2.02 -0.68	2.70 -0.84	2.45 -1.11	2.14 -0.94	2.35 0.03	3.14 -0.40	3.36 -0.42	3
4	2.66 -0.42		3.25 -0.81	2.56 -0.65	2.45 -0.64	2.08 -0.78	2.85 -1.04	2.80 -0.54	2.29 -1.02	2.84 0.00	3.48 -0.42	3.08 -0.47	4
5	2.98 -0.52		2.54 -1.10	2.24 -0.83	2.79 -0.27	1.83 -1.12	3.03 -0.63	2.28 -1.25	2.00 -0.92	2.99 0.06	3.47 -0.62	2.82 -0.58	5
6	3.09 -0.54		2.50 -1.28	2.23 -0.79	2.75 -0.45	2.00 -1.06	2.48 -0.99	1.93 -1.24	2.30 -0.37	3.21 -0.18	3.34 -0.60	2.70 -0.44	6
7	3.23 -0.44		1.89 -1.02	2.55 -0.60	2.65 -0.78	2.31 -1.01	2.09 -1.19	1.86 -1.23	2.79 -0.36	3.19 -0.45	3.45 -0.31	2.66 -0.26	7
8	3.39 -0.47		1.75 -1.46	2.61 -0.29	2.71 -0.85	3.01 -0.47	1.81 -1.22	1.47 -1.19	3.31 -0.40	3.23 -0.46	3.57 -0.16	2.62 -0.08	8
9	3.30 -0.43		1.86 -1.65	2.48 -0.72	2.99 -0.79	2.63 -0.96	1.78 -1.11	1.70 -0.93	3.36 -0.58	3.31 -0.41	3.49 -0.09	2.58 -0.16	9
10	3.02 -0.55	N	2.08 -1.41	2.54 -1.05	3.07 -0.79	2.52 -1.05	2.18 -0.74	1.90 -1.08	3.34 -0.92	3.22 -0.51	3.18 -0.11	2.80 -0.06	10
11	2.72 -0.72	O	2.18 -0.99	2.54 -1.15	3.06 -0.86	2.28 -1.01	2.30 -0.58	2.13 -1.18	3.26 -1.02	3.19 -0.50	2.76 -0.17	3.04 -0.28	11
12	2.19 -0.88	R	2.61 -0.65	2.82 -1.05	2.98 0.61	2.28 -0.97	2.37 -0.51	2.82 -1.20	3.26 -0.99	2.94 -0.59	2.48 -0.34	2.80 -0.24	12
13	2.52 -0.80	E C	2.63 -1.03	2.91 0.64	2.76 -0.81	2.33 -0.82	2.61 -0.46	3.12 -1.12	3.24 -0.83	2.62 -0.67	2.62 -0.33	2.94 -0.50	13
14	2.58 -0.38	O	2.78 -0.86	2.94 -1.03	2.83 -0.63	2.26 -0.32	2.82 -0.79	3.37 -1.07	2.96 -0.78	2.46 -0.54	2.88 -0.12	3.04 -0.48	14
15	2.65 -0.16	R D	2.93 0.41	2.93 -1.00	2.66 -0.69	2.17 -0.74	3.11 -0.79	3.48 -0.74	2.60 -0.90	2.97 0.08	2.85 -0.10	3.12 -0.40	15
16	2.43 -0.24		2.84 -1.16	2.96 -0.90	2.27 -0.89	2.11 -0.70	3.42 -0.53	3.43 -0.77	2.30 -1.02	3.27 0.68	2.67 -0.54	3.34 -0.32	16
17	2.50 -0.13		2.89 -1.36	2.99 -0.80	2.07 -0.92	2.40 -0.50	3.28 -0.86	3.04 -1.12	2.38 -0.97	3.18 0.56	2.81 -0.65	2.12 -0.28	17
18	2.52 -0.37		3.21 -1.19	3.01 -0.71	2.39 -0.78	2.82 -0.46	3.32 -0.75	2.64 -1.19	1.90 -0.20	1.99 0.50	1.82 -0.76	3.02 -0.50	18
19	2.66 -0.61		3.15 -0.96	2.65 -0.67	2.89 -0.23	2.61 -0.87	2.19 -1.49	2.12 -1.12	2.97 0.18	3.28 0.28	3.18 -0.62	2.82 -0.66	19
20	2.67 -0.62		3.01 -0.94	2.23 -0.73	2.86 -0.71	2.73 -0.80	1.92 -1.43	2.04 -0.96	2.93 -0.21	3.56 0.04	3.03 -0.73	2.42 -0.82	20
21	2.59 -0.75		2.73 -0.97	2.24 -0.85	3.01 -0.82	3.02 -0.58	1.62 -1.54	1.84 -1.11	2.76 -0.84	3.41 -0.38	3.03 -0.68	2.26 -0.70	21
22	2.88 -0.91		3.12 -0.84	2.54 -0.74	3.28 -0.80	3.08 -0.53	1.44 -1.39	1.69 -0.83	2.76 -0.86	3.46 -0.49	2.84 -0.73	2.42 -0.38	22
23	3.08 -0.73		2.57 -0.34	3.06 -0.53	3.09 -0.90	2.42 -1.17	1.45 -0.79	2.26 -0.79	3.35 -0.24	3.63 -0.43	2.90 -0.47	2.36 -0.32	23
24	2.87 -0.71		2.78 -0.62	2.79 -0.99	3.14 -0.88	2.24 -1.14	1.73 -0.67	2.40 -0.84	3.15 -0.44	3.70 -0.56	2.84 -0.42	2.70 -0.32	24
25	2.58 -0.87		3.14 -0.26	3.60 -0.41	3.01 -0.91	2.04 -1.08	1.71 -0.96	2.72 -0.79	3.36 -0.28	3.43 -0.76	2.73 -0.42	3.12 -0.64	25
26	2.42 -1.17		3.32 -0.18	3.59 -0.70	2.84 0.14	1.59 -1.17	1.68 -1.19	2.84 -0.76	3.61 0.09	3.32 -0.69	2.78 -0.08	3.32 -0.44	26
27	2.48 -1.07		3.80 -0.03	3.62 0.86	2.60 -0.89	1.67 -0.98	1.87 -1.22	2.99 -0.81	3.53 -0.04	3.13 -0.85	3.12 0.14	3.34 -0.40	27
28	1.92 -0.60		3.80 -0.29	3.10 -0.55	2.71 -0.80	1.62 -0.90	2.25 -1.00	3.10 -0.85	3.35 -0.06	2.94 -0.72	3.12 0.04	3.22 -0.46	28
29	1.73 -1.27		3.63 0.86	3.03 -0.98	2.45 -0.46	1.74 -0.83	2.01 -1.29	2.94 -0.87	3.18 -0.26	2.88 -0.50	2.94 -0.14	3.10 -0.60	29
30	2.04 -1.16		3.71 -0.45	2.85 -0.87		1.76 -1.04	1.96 -1.58	2.89 -0.95	2.71 -0.51	2.78 -0.29	3.18 -0.40	2.08 -0.60	30
31	2.12 -0.85		3.55 -0.43	2.78 -0.88		1.87 -1.02		2.85 -0.98		2.74 -0.45	3.34 -0.40		31
MAXIMUM	3.39	NR	NR	3.62	3.28	3.08	3.42	3.48	3.61	3.70	3.57	3.66	MAXIMUM
MINIMUM	-1.27	NR	NR	-1.15	-0.92	-1.17	-1.58	-1.49	-1.02	-0.85	-0.76	-0.82	MINIMUM

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R., M.D.B. & M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
37 53 28	121 34 09	NE 31 1N 4E		6.17	2-15-1969		MAY 1963-DATE	1963 1964	1964	-10.42 0.00	USCGS USCGS

Station located at Highway 4 bridge, 4.2 miles east of Byron.

TABLE B-12 (CONT.)
DAILY MAXIMUM AND MINIMUM TIDES
(IN FEET)

WATER YEAR	STATION NUMBER	STATION NAME
1972	B95180	OLD RIVER NEAR ROCK SLOUGH

DATE	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	DATE
1	5.89 2.31	5.80 2.20	6.49 3.46	6.49 2.43	5.83 2.41	5.28 2.57	5.58 2.19	5.79 1.75	6.36 2.19	6.10 3.34	6.27 2.98	6.97 2.90	1
2	5.75 2.42	6.11 2.88	7.21 2.22	6.37 2.34	5.35 2.57	5.31 2.53	5.71 2.12	5.85 1.81	6.10 2.36	6.19 3.58	6.68 2.83	5.63 3.09	2
3	5.62 2.53	6.12 2.16	6.60 2.60	6.12 2.48	5.15 2.24	5.51 2.58	5.95 2.35	6.05 2.12	5.70 2.30	6.12 3.27	7.05 2.89	6.71 2.72	3
4	5.96 2.78	6.39 2.04	6.38 2.30	5.59 2.31	5.56 2.49	5.55 2.46	6.02 2.17	6.36 2.72	5.64 2.24	6.24 3.25	5.23 2.84	6.41 2.60	4
5	6.25 2.65	6.51 2.18	5.90 2.01	5.26 2.16	5.90 2.91	5.41 2.15	6.27 2.60	5.71 2.05	4.93 2.35	4.96 3.34	6.99 2.70	6.14 2.49	5
6	6.47 2.62	6.26 2.24	5.74 1.86	5.41 2.21	5.85 2.72	5.53 2.20	5.87 2.23	5.34 2.04	5.90 2.91	6.46 3.10	6.90 2.66	6.00 2.63	6
7	6.68 2.72	6.23 2.10	4.92 1.95	5.68 2.44	5.74 2.36	5.77 2.26	5.42 2.01	5.16 1.99	6.41 2.91	6.44 2.83	7.06 2.97	6.15 2.99	7
8	6.74 2.69	5.83 2.19	4.87 1.64	5.84 2.78	5.97 2.27	6.39 2.77	5.30 2.00	5.10 2.07	6.90 2.85	6.48 2.80	7.09 3.09	6.00 3.14	8
9	6.56 2.77	5.31 2.14	5.02 1.52	5.71 2.32	6.22 2.33	5.99 2.29	5.31 2.14	5.34 2.34	6.99 2.64	6.57 2.85	6.98 3.16	6.04 3.18	9
10	6.32 2.65	5.31 2.06	5.40 1.79	5.68 1.96	6.32 2.32	5.89 2.20	5.38 2.43	5.56 2.16	6.94 2.30	6.47 2.75	6.71 3.17	6.08 3.22	10
11	5.94 2.47	5.70 2.18	5.46 2.18	5.72 1.86	6.31 2.29	5.83 2.23	5.70 2.68	5.82 2.04	6.87 2.17	6.44 2.77	6.29 3.10	6.27 3.06	11
12	5.41 2.33	5.83 2.69	6.04 2.52	6.06 1.95	6.28 2.29	5.82 2.29	5.71 2.66	6.12 2.00	6.76 2.23	6.18 2.68	5.94 2.96	6.02 2.98	12
13	5.74 2.39	6.10 2.84	5.89 2.10	6.13 1.98	6.24 2.51	5.84 2.43	6.19 2.64	6.42 2.08	6.83 2.39	5.88 2.62	6.02 3.05	6.14 2.76	13
14	5.81 2.82	5.71 2.51	6.02 2.27	6.17 2.00	6.21 3.41	5.71 2.50	6.01 2.31	6.66 2.18	6.66 2.53	5.71 2.76	6.19 3.19	6.28 2.78	14
15	6.06 3.04	5.84 2.21	6.04 1.97	6.21 3.66	5.82 2.48	5.51 2.56	6.32 2.34	6.75 2.44	6.25 2.35	6.22 3.32	6.13 3.20	6.47 2.86	15
16	5.78 2.94	5.65 1.97	5.96 3.58	6.28 2.11	5.43 2.28	5.69 2.56	6.64 2.59	6.68 2.45	5.78 2.28	6.48 3.90	6.16 2.75	6.60 2.93	16
17	5.85 2.85	5.94 3.37	6.02 1.75	6.26 2.21	5.25 2.25	6.08 2.73	6.45 2.28	6.28 2.11	5.81 2.27	6.41 3.79	6.32 2.63	5.53 2.95	17
18	5.81 2.58	6.16 2.06	6.34 1.91	6.06 2.31	5.56 2.40	6.48 2.74	6.40 2.31	5.85 2.08	6.44 3.07	6.50 3.78	6.64 2.56	6.46 2.75	18
19	5.84 3.16	6.23 2.04	6.28 2.15	5.72 2.37	6.18 2.90	6.26 2.34	5.72 1.72	5.55 2.11	5.31 3.41	6.76 3.57	5.23 2.67	6.27 2.58	19
20	6.07 2.58	6.20 2.12	6.14 2.17	5.33 2.33	6.04 2.47	6.33 2.40	5.43 1.82	5.56 2.27	6.41 3.08	5.20 3.32	6.52 2.58	5.87 2.41	20
21	5.94 2.45	6.22 2.11	5.88 2.14	5.36 2.23	6.27 2.38	6.54 2.61	5.06 1.73	5.44 2.15	6.40 2.42	6.65 2.93	6.54 2.61	5.74 2.53	21
22	6.24 2.25	5.99 2.15	6.27 2.33	5.66 2.37	6.42 2.36	6.57 2.67	4.95 1.89	5.34 2.42	5.95 2.36	6.67 2.79	6.36 2.53	5.79 2.85	22
23	6.44 2.46	5.61 2.05	5.66 2.80	6.20 2.60	6.27 2.26	5.81 2.03	5.07 2.48	5.72 2.50	6.47 2.94	6.85 2.83	6.46 2.79	5.87 2.91	23
24	6.27 2.50	5.29 1.89	5.94 2.50	6.04 2.16	6.30 2.29	5.63 2.08	5.42 2.59	5.90 2.41	6.27 2.75	6.92 2.70	6.44 2.86	6.03 2.91	24
25	5.88 2.33	5.04 1.89	6.26 2.87	6.76 2.70	6.16 2.26	5.48 2.12	5.36 2.24	6.13 2.44	6.47 2.88	6.68 2.51	6.25 2.89	6.37 2.74	25
26	5.70 2.04	5.10 1.75	6.49 2.95	6.71 2.44	6.02 2.29	5.21 2.11	5.32 2.04	6.40 2.49	6.71 3.22	6.60 2.37	6.36 3.20	6.64 2.78	26
27	5.70 2.14	5.49 2.14	7.03 3.02	6.95 2.54	5.81 2.41	5.15 2.29	5.53 2.04	6.47 2.40	6.69 3.11	6.39 2.41	6.30 3.40	6.71 2.84	27
28	4.96 2.39	5.86 2.50	6.89 2.73	6.21 2.12	5.92 3.18	5.12 2.34	5.92 2.24	6.58 2.39	6.53 3.05	6.22 2.56	6.31 3.26	6.64 2.79	28
29	4.91 1.81	6.44 2.61	6.86 2.56	6.15 3.38	5.64 2.75	5.37 2.35	5.57 1.79	6.47 2.34	6.36 2.90	6.15 2.75	6.32 3.09	6.51 2.65	29
30	5.27 2.01	6.50 2.35	6.75 3.90	5.98 2.24		5.35 2.20	5.54 1.60	6.40 2.27	6.01 2.71	6.06 2.97	6.49 2.83	6.53 2.64	30
31	5.63 2.31		6.67 2.50	5.92 2.23		5.49 2.21		6.35 2.27		6.04 2.84	6.68 2.78		31
MAXIMUM	6.74	6.51	7.21	6.95	6.42	6.57	6.64	6.75	6.99	6.92	7.09	6.97	MAXIMUM
MINIMUM	1.81	1.75	1.52	1.86	2.24	2.03	1.60	1.75	2.17	2.37	2.53	2.41	MINIMUM

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R., M.D.B. & M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
37 59 25	121 34 49	SW 30 2N 4E		10.0	12-26-1955		MAR 1945-DATE	1945		0.00	USED
								1945		-3.00	USCGS
									1964	-3.58	USCGS
								1964		-3.00	USCGS

Station located on American Island (formerly Holland Tract), 1.2 miles north of Rock Slough, 4.7 miles northeast of Knightsen.

TABLE B-12 (CONT.)

DAILY MAXIMUM AND MINIMUM TIDES

(IN FEET)

WATER YEAR	STATION NUMBER	STATION NAME
1972	B94175	MOKELUMNE RIVER NEAR THORNTON

DATE	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	DATE
1	3.35 0.66	3.41 1.23	3.87 0.44	3.78 0.73	3.32 0.68	3.08 1.21	3.06 -0.03	3.20 -0.34	3.59 -0.21	3.36 0.79	3.46 0.36	2.82 0.58	1
2	3.26 0.78	3.62 1.06	4.44 0.39	3.65 0.43	2.89 0.71	3.12 1.48	3.16 -0.09	3.26 -0.31	3.38 -0.04	3.45 0.94	3.80 0.39	4.23 0.87	2
3	3.21 0.93	3.58 0.65	3.92 0.65	3.48 0.36	2.69 0.44	3.30 0.85	3.32 0.06	3.42 -0.07	3.02 -0.12	2.74 0.63	2.39 0.46	4.04 0.59	3
4	3.53 1.03	3.75 0.22	3.70 0.28	3.06 0.73	3.02 0.52	2.97 0.39	3.33 -0.09	3.73 0.51	2.81 -0.23	3.42 0.60	4.11 0.48	3.82 0.42	4
5	2.99 1.05	3.81 0.14	3.27 0.04	2.76 0.47	3.39 0.78	2.86 0.18	3.57 0.35	3.06 -0.15	2.90 -0.17	3.51 0.83	4.04 0.28	3.57 0.33	5
6	3.78 1.04	3.59 0.12	2.98 -0.15	2.87 0.31	3.35 1.11	2.95 0.18	3.24 0.13	2.72 -0.16	3.13 0.35	3.67 0.58	3.96 0.27	3.47 0.44	6
7	3.96 1.11	3.57 -0.04	2.17 -0.32	3.12 0.39	4.35 2.61	3.16 0.18	2.83 0.13	2.58 -0.17	3.57 0.43	3.66 0.30	4.13 0.57	3.42 0.57	7
8	4.12 1.67	3.15 0.03	2.15 -0.62	3.28 0.59	4.59 3.04	3.72 0.59	2.77 0.18	2.56 -0.14	3.99 0.49	3.67 0.25	4.14 0.65	3.28 0.70	8
9	4.18 1.07	2.63 -0.10	2.40 -0.58	3.13 0.47	3.90 1.77	3.34 0.16	2.80 0.24	2.82 0.10	4.07 0.28	3.76 0.28	4.03 0.69	3.36 0.75	9
10	2.93 1.14	2.68 -0.21	2.69 -0.45	3.08 0.21	3.86 2.62	3.24 0.16	2.83 0.37	3.01 -0.03	4.03 0.03	3.66 0.20	3 83 0.69	3.36 0.76	10
11	3.99 1.04	3.11 -0.09	2.82 -0.01	3.15 0.15	3.83 1.47	3.22 0.22	3.34 0.64	3.24 -0.11	3.97 -0.13	3.62 0.18	3.50 0.67	3.53 0.74	11
12	3.73 2.09	3.23 0.32	3.45 0.37	3.48 1.35	3.77 1.18	3.23 1.12	3.27 0.73	3.46 -0.12	3.92 -0.06	3.39 0.10	3.16 0.49	3.28 0.63	12
13	3.35 0.87	3.47 0.57	3.14 0.74	3.55 0.24	3.77 0.80	3.21 0.30	3.70 0.80	3.70 -0.06	3.96 0.00	3.08 0.00	3.27 0.54	3.40 0.39	13
14	2.91 0.71	3.04 0.62	3.41 -0.04	3.61 0.29	3.69 0.83	3.29 0.34	3.54 0.91	3.89 0.06	3.83 0.18	2.94 0.09	3.44 0.69	3.54 0.39	14
15	3.18 0.74	2.95 0.19	3.37 0.14	3.67 0.31	3.33 0.72	3.13 1.14	3.84 0.97	3.97 0.26	3.49 0.00	3.47 0.67	3.36 0.71	3.67 0.47	15
16	3.30 1.04	2.92 -0.06	3.29 -0.08	3.73 0.41	2.95 0.46	3.31 1.02	4.11 1.04	3.91 0.30	3.05 -0.15	3.67 1.25	3.36 0.29	3.78 0.61	16
17	3.41 1.65	3.32 -0.20	3.35 -0.30	3.69 0.49	2.79 0.34	3.66 1.13	3.85 0.60	3.60 -0.06	2.57 -0.22	3.64 1.08	3.50 0.13	2.85 0.64	17
18	3.67 1.25	3.30 -0.08	3.63 -0.19	3.49 0.58	3.07 0.39	4.02 1.21	3.36 0.13	3.23 -0.07	3.01 0.49	2.43 1.13	2.34 0.15	3.71 0.52	18
19	3.34 1.21	3.56 -0.21	3.58 0.04	3.16 0.38	3.61 0.80	3.80 0.83	3.05 -0.14	2.91 -0.27	3.59 0.74	3.71 0.90	3.82 0.27	3.54 0.29	19
20	2.95 1.25	3.54 0.03	3.45 0.05	2.81 0.31	3.48 0.37	3.85 0.79	2.86 -0.15	2.51 -0.15	3.57 0.53	3.92 0.70	3.71 0.20	3.11 0.01	20
21	3.38 1.20	3.57 0.05	3.21 0.02	2.86 0.16	3.66 0.32	4.00 0.94	2.48 -0.32	2.78 -0.28	3.58 0.07	3.79 0.34	3.74 0.19	3.00 0.15	21
22	3.34 1.03	3.33 0.09	3.65 0.23	3.15 0.24	3.79 0.38	4.04 0.93	2.38 -0.30	2.76 0.07	3.23 -0.02	3.78 0.29	3.57 0.16	3.05 0.42	22
23	3.35 1.34	2.97 -0.03	3.11 0.72	3.63 0.56	3.74 0.51	3.23 0.30	2.54 0.23	3.11 0.22	3.66 0.34	3.94 0.43	3.64 0.40	3.12 0.42	23
24	3.56 1.00	2.65 -0.20	3.63 1.30	3.49 0.54	3.75 0.61	3.11 0.27	2.88 0.36	3.27 0.15	3.44 0.12	4.00 0.33	3.65 0.49	3.30 0.46	24
25	2.51 0.96	2.44 -0.23	3.87 1.67	4.23 1.19	3.63 1.43	2.93 0.16	2.83 0.10	3.47 0.20	3.63 0.29	3.79 0.18	3.46 0.50	3.54 0.40	25
26	3.44 0.80	2.52 -0.39	4.82 3.06	4.69 1.95	3.63 0.74	2.64 0.24	2.76 -0.05	3.70 0.20	3.83 0.00	3.75 0.22	3.57 0.76	3.78 0.42	26
27	3.71 0.99	2.92 -0.08	5.77 5.08	4.28 0.95	3.49 1.30	2.65 0.50	2.99 -0.04	3.72 0.11	3.83 0.49	3.54 0.05	3.65 0.94	3.90 0.55	27
28	3.84 1.00	3.44 0.32	4.76 3.83	3.65 0.85	3.64 1.30	2.66 0.32	3.35 0.13	3.80 0.07	3.71 0.49	3.37 0.14	3.57 0.81	3.83 0.53	28
29	2.60 0.54	3.81 0.81	4.83 3.59	3.62 0.50	3.29 1.49	2.90 0.23	2.80 -0.60	3.71 0.00	3.55 0.38	3.32 0.32	3.58 0.65	3.71 0.39	29
30	3.08 0.89	3.81 0.56	4.15 2.78	3.50 0.64		2.87 0.09	2.93 -0.52	3.61 -0.10	3.24 0.19	3.28 0.50	3.77 0.45	2.90 0.38	30
31	3.20 1.11		3.95 1.35	3.45 0.61		2.98 0.05		3.60 -0.11		3.25 0.29	3.97 0.42		31
MAXIMUM	4.18	3.81	5.77	4.69	4.59	4.04	4.11	3.97	4.07	4.00	4.14	4.23	MAXIMUM
MINIMUM	0.54	-0.39	-0.62	0.15	0.32	0.05	-0.60	-0.34	-0.23	0.00	0.13	0.01	MINIMUM

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R., M.D.B. & M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 15 20	121 26 21	NW 28 5N 5E		14.5	2-2-1963		FEB 1959-DATE	1959	1964	0.40	USCGS
								1964		-0.48	USCGS
										0.00	USCGS

Station located at highway bridge, 2.3 miles northwest of Thornton. Also known as "Mokelumne River at Benson's Ferry". At times, tidal fluctuation is influenced by operation of the Delta Cross Channel gates.

TABLE B-12 (CONT.)
DAILY MAXIMUM AND MINIMUM TIDES
(IN FEET)

WATER YEAR	STATION NUMBER	STATION NAME
1972	B94150	MOKELUMNE RIVER, SOUTH FORK, AT NEW HOPE BRIDGE

DATE	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	DATE
1	3.28 0.13	3.25 0.22	3.92 0.20	3.73 -0.22	3.28 0.41	2.92 0.67	3.02 -0.22	3.16 -0.60	3.68 -0.22	3.49 0.83	3.66 0.41	4.48 0.59	1
2	3.18 0.25	3.54 -0.03	4.65 0.15	3.59 -0.30	2.84 0.49	2.95 0.77	3.14 -0.28	3.23 -0.55	3.45 -0.04	3.59 1.01	4.05 0.41	3.10 0.84	2
3	3.10 0.37	3.53 -0.06	4.03 0.48	3.43 -0.24	2.63 0.24	3.19 0.13	3.31 -0.10	3.40 -0.28	3.06 -0.10	3.59 0.71	4.40 0.49	4.24 0.57	3
4	3.45 0.54	3.77 -0.21	3.76 0.16	3.00 0.24	2.98 0.36	2.88 -0.26	3.32 -0.22	3.72 0.31	2.59 -0.22	3.66 0.67	2.52 0.47	4.02 0.40	4
5	3.72 0.47	3.85 -0.10	3.28 -0.08	2.69 0.04	3.37 0.66	2.75 -0.56	3.57 0.19	3.05 -0.34	3.00 -0.14	2.29 0.88	4.31 0.29	3.74 0.31	5
6	3.93 0.48	3.60 -0.07	2.98 -0.23	2.80 -0.02	3.27 0.67	2.85 -0.53	3.21 -0.13	2.70 -0.35	3.24 0.38	3.85 0.63	4.23 0.26	3.62 0.42	6
7	4.10 0.57	3.59 -0.19	2.15 -0.40	3.06 0.11	3.22 0.68	3.09 -0.47	2.76 -0.30	2.54 -0.37	3.75 0.44	3.82 0.34	4.47 0.58	3.55 0.55	7
8	4.16 0.53	3.14 -0.13	2.23 -0.66	3.21 0.36	3.42 0.55	3.67 0.01	2.70 -0.24	2.52 -0.32	4.28 0.47	3.85 0.29	4.43 0.64	3.39 0.70	8
9	3.96 0.61	2.61 -0.22	2.50 -0.64	3.07 0.06	3.58 0.55	3.28 -0.44	2.73 -0.10	2.77 -0.04	4.37 0.26	3.96 0.32	4.30 0.71	3.48 0.74	9
10	3.67 0.47	2.66 -0.32	2.83 -0.48	3.02 -0.23	3.77 0.68	3.19 -0.51	2.78 0.08	3.00 -0.18	4.31 -0.01	3.85 0.25	4.07 0.71	3.47 0.75	10
11	3.27 0.30	3.11 -0.20	2.84 -0.06	3.10 -0.32	3.78 0.57	3.15 -0.43	3.28 0.37	3.24 -0.28	4.22 -0.17	3.79 0.23	3.69 0.69	3.65 0.72	11
12	2.81 0.12	3.23 0.22	3.48 0.29	3.44 -0.22	3.72 1.49	3.16 -0.37	3.22 0.37	3.50 -0.30	4.16 -0.10	3.54 0.16	3.33 0.52	3.37 0.61	12
13	3.10 0.16	3.48 0.47	3.16 -0.12	3.52 1.09	3.74 0.31	3.14 0.34	3.66 0.27	3.78 -0.24	4.23 0.07	3.22 0.07	3.42 0.56	3.48 0.37	13
14	3.24 0.54	2.98 0.00	3.44 0.06	3.56 -0.19	3.66 0.43	3.24 -0.25	3.45 0.08	3.99 -0.10	4.05 0.17	3.06 0.16	3.58 0.72	3.63 0.39	14
15	3.60 0.73	2.90 -0.23	3.41 1.01	3.64 -0.17	3.28 0.35	3.06 0.63	3.79 0.21	4.10 0.10	3.65 0.02	3.65 0.73	3.50 0.75	3.76 0.47	15
16	3.23 0.58	2.88 0.35	3.31 -0.17	3.70 -0.08	2.88 0.13	3.26 0.60	4.09 0.41	4.02 0.13	3.17 -0.13	3.83 1.30	3.49 0.32	3.90 0.59	16
17	3.27 0.51	3.30 -0.35	3.39 -0.38	3.66 0.01	2.72 0.05	3.65 0.72	3.81 0.04	3.65 -0.21	3.14 -0.19	3.79 1.16	3.63 0.15	2.80 0.63	17
18	3.22 0.66	3.31 -0.23	3.70 -0.25	3.46 0.10	3.01 0.14	4.06 0.77	3.31 -0.34	3.24 -0.18	2.66 0.53	3.85 1.20	3.98 0.16	3.81 0.48	18
19	3.24 0.28	3.59 -0.35	3.66 -0.03	3.12 0.10	3.61 0.58	3.79 0.41	3.00 -0.58	2.87 -0.37	3.76 0.79	2.45 0.98	2.28 0.28	3.66 0.26	19
20	3.48 0.26	3.55 -0.12	3.51 -0.02	2.75 0.06	3.45 0.15	3.85 0.44	2.81 -0.53	2.93 -0.21	3.73 0.58	4.11 0.76	3.85 0.18	3.23 0.01	20
21	3.33 0.18	3.59 -0.09	3.24 -0.06	2.80 -0.06	3.66 0.11	4.01 0.58	2.44 -0.66	2.79 -0.35	3.76 0.09	3.93 0.40	3.89 0.21	3.13 0.14	21
22	3.62 0.01	3.32 -0.06	3.69 0.15	3.11 0.03	3.79 0.12	4.03 0.54	2.32 -0.59	2.76 -0.01	3.34 -0.01	3.98 0.33	3.72 0.16	3.17 0.42	22
23	3.78 0.22	2.94 -0.16	3.07 0.62	3.63 0.32	3.70 0.06	3.18 -0.17	2.48 -0.02	3.14 0.14	3.81 0.40	4.15 0.45	3.84 0.40	3.26 0.40	23
24	3.65 0.23	2.62 -0.32	3.49 0.53	3.45 0.13	3.71 0.13	3.06 -0.16	2.82 0.10	3.31 0.08	3.57 0.19	4.23 0.33	3.85 0.49	3.45 0.44	24
25	3.19 0.08	2.40 -0.35	3.76 0.94	4.26 0.80	3.58 0.24	2.88 -0.17	2.77 -0.24	3.54 0.13	3.77 0.36	3.99 0.17	3.64 0.50	3.74 0.39	25
26	3.05 -0.18	2.50 -0.49	4.16 1.41	4.14 0.61	3.54 1.11	2.57 -0.15	2.71 -0.40	3.81 0.14	4.01 0.64	3.96 0.22	3.74 0.75	3.99 0.39	26
27	2.86 -0.09	2.91 -0.18	4.56 0.69	4.35 1.81	3.39 0.55	2.58 0.00	2.94 -0.33	3.85 0.06	4.01 0.57	3.72 0.06	3.84 0.93	4.07 0.49	27
28	1.95 -0.32	3.49 0.24	4.23 0.33	3.61 0.53	3.55 0.67	2.59 0.01	3.32 -0.14	3.94 0.00	3.88 0.55	3.55 0.17	3.76 0.83	3.98 0.45	28
29	2.22 -0.64	3.88 0.38	4.22 1.35	3.59 0.14	3.21 0.94	2.85 -0.05	2.77 -0.89	3.82 -0.06	3.70 0.43	3.49 0.35	3.78 0.68	3.83 0.33	29
30	2.72 -0.23	3.87 0.83	4.01 0.16	3.46 0.32		2.82 -0.15	2.88 -0.80	3.72 -0.14	3.35 0.22	3.43 0.50	3.98 0.46	2.94 0.31	30
31	2.99 0.04		3.90 -0.09	3.42 0.29		2.94 -0.17		3.71 -0.15		3.41 0.32	4.21 0.43		31
MAXIMUM	4.16	3.88	4.65	4.35	3.79	4.06	4.09	4.10	4.37	4.23	4.47	4.48	MAXIMUM
MINIMUM	-0.64	-0.49	-0.66	-0.32	0.05	-0.56	-0.89	-0.60	-0.22	0.06	0.15	0.01	MINIMUM

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R., M.D.B. & M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 13 33	121 29 24	NW 1 4N 4E		13.3	12-25-1955		AUG 1920-DATE	1920	1940	0.26	USED
								1940		0.00	USCGS
								1940		2.84	USED
									1964	-0.62	USCGS
								1964		0.00	USCGS

Station located south of Walnut Grove-Thornton Highway bridge, 3.8 miles west of Thornton. At times, tidal fluctuation is influenced by operation of the Delta Cross Channel gates.

TABLE B-12 (CONT.)
DAILY MAXIMUM AND MINIMUM TIDES
(IN FEET)

WATER YEAR	STATION NUMBER	STATION NAME
1972	B94120	LITTLE POTATO SLOUGH AT TERMINOUS

DATE	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	DATE
1						2.55 -0.29	2.87 -0.72	3.14 -1.05	3.52 -0.77	3.29 0.43	3.48 0.01	4.35 0.07	1
2						2.57 -0.29	3.00 -0.79	3.20 -0.99	3.27 -0.57	3.36 0.64	NR NR	2.95 0.28	2
3						2.78 -0.24	3.18 -0.55	3.39 -0.68	2.89 -0.63	3.32 0.34	4.27 -0.04	4.10 0.00	3
4						2.77 -0.43	3.21 -0.71	3.78 -0.04	2.41 -0.75	3.42 0.31	2.38 -0.07	3.85 -0.15	4
5						2.63 -0.74	3.46 -0.31	3.01 -0.73	2.84 -0.61	2.07 0.43	4.18 -0.25	3.57 -0.25	5
6						2.74 -0.69	3.08 -0.66	2.67 -0.76	3.09 -0.09	3.62 0.19	4.11 -0.29	3.43 -0.11	6
7						2.97 -0.64	2.61 -0.85	2.51 -0.75	3.62 -0.06	3.59 -0.10	4.30 -0.00	3.37 0.04	7
8						3.58 -0.15	2.54 -0.88	2.49 -0.68	4.14 -0.10	3.65 -0.12	4.30 0.13	3.20 0.20	8
9						3.16 -0.61	2.57 -0.73	2.73 -0.41	4.22 -0.31	3.75 -0.09	4.17 0.21	3.28 0.22	9
10						3.07 -0.71	2.61 -0.46	2.96 -0.62	4.19 -0.66	3.64 -0.18	3.91 0.22	3.29 0.26	10
11						3.07 -0.66	3.05 -0.19	3.21 -0.76	4.09 -0.80	3.60 -0.17	3.52 0.17	3.47 0.17	11
12						3.07 -0.59	3.03 -0.21	3.48 -0.79	4.02 -0.73	3.34 -0.24	3.15 0.02	3.21 0.04	12
13						3.08 -0.46	3.48 -0.37	3.79 -0.71	4.07 -0.55	3.01 -0.32	3.23 0.10	3.33 -0.20	13
14						2.96 -0.35	3.28 -0.62	4.01 -0.59	3.88 -0.44	2.86 -0.19	3.41 0.27	3.47 -0.16	14
15						2.76 -0.17	3.60 -0.54	4.12 -0.36	3.48 -0.58	3.41 0.41	3.34 0.25	3.61 -0.07	15
16						2.97 -0.31	3.92 -0.34	4.06 -0.32	3.00 -0.66	3.63 1.01	3.34 -0.19	3.73 0.02	16
17						3.39 -0.13	3.69 -0.60	3.65 -0.66	2.99 -0.68	3.57 0.88	3.48 -0.32	2.71 0.05	17
18						3.84 -0.10	3.37 -0.87	3.24 -0.58	3.64 0.11	3.67 0.85	3.82 -0.38	3.64 -0.15	18
19						3.55 -0.49	2.96 -1.20	2.87 -0.72	3.63 0.44	3.92 0.63	2.40 -0.27	3.49 -0.34	19
20						3.64 -0.44	2.67 -1.03	2.92 -0.57	3.62 0.11	2.29 0.38	3.70 -0.37	3.06 -0.53	20
21						3.82 -0.21	2.29 -1.17	2.76 -0.71	3.58 -0.52	3.78 -0.02	3.75 -0.34	2.96 -0.40	21
22						3.88 -0.19	2.21 -1.02	2.71 -0.42	3.08 -0.59	3.82 -0.14	3.55 -0.40	3.00 -0.08	22
23						3.02 -0.85	2.35 -0.44	3.06 -0.34	3.61 -0.01	4.01 -0.10	3.68 -0.15	3.10 -0.07	23
24						2.89 -0.79	2.70 -0.30	3.22 -0.44	3.39 -0.21	4.07 -0.25	3.66 -0.07	3.28 -0.04	24
25						2.73 -0.81	2.64 -0.68	3.44 -0.41	3.59 -0.06	3.84 -0.42	3.47 -0.05	3.57 -0.13	25
26						2.45 -0.77	2.60 -0.88	3.69 -0.41	3.84 0.26	3.78 -0.38	3.57 0.25	3.84 -0.18	26
27						2.39 -0.57	2.82 -0.84	3.74 -0.48	3.84 0.15	3.57 -0.52	3.65 0.44	3.93 -0.11	27
28						2.39 -0.60	3.23 -0.62	3.81 -0.52	3.68 0.10	3.40 -0.38	3.58 0.36	3.84 -0.14	28
29						2.68 -0.61	2.73 -1.30	3.71 -0.58	3.49 -0.04	3.33 -0.18	3.62 0.17	3.70 -0.27	29
30						2.65 -0.70	2.86 -1.22	3.60 -0.64	3.14 -0.23	3.26 0.01	3.84 -0.06	3.77 -0.28	30
31						2.78 -0.70		3.55 -0.69		3.24 -0.13	4.07 -0.08		31
MAXIMUM						3.88	3.92	4.12	4.22	4.07	4.30	4.35	MAXIMUM
MINIMUM						-0.85	-1.30	-1.05	-0.80	-0.52	-0.40	-0.53	MINIMUM

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R., M.D.B. & M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 06 53	121 29 47	NE 14 3N 4E		6.04	2-15-69		FEB 1968-AUG 1969 MAR 1972-DATE	1968 1972	1969	-0.11 0.00	USCGS USCGS

Station located at State Highway 12 at Terminous. Station discontinued August 4, 1969, and reactivated March 1, 1972.

TABLE B-12 (CONT.)
DAILY MAXIMUM AND MINIMUM TIDES
(IN FEET)

WATER YEAR	STATION NUMBER	STATION NAME
1972	B94100	GEORGIANA SLOUGH AT MOKELUMNE RIVER

DATE	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	DATE
1										3.16 0.48	3.41 0.10	4.27 0.17	1
2										3.10 0.61	3.84 0.01	2.85 0.38	2
3										3.03 0.32	4.18 0.05	4.04 0.09	3
4										3.06 0.22	2.30 0.03	3.76 -0.04	4
5										1.73 0.29	4.13 0.11	3.51 -0.12	5
6										3.20 0.00	4.06 -0.16	3.36 0.00	6
7										3.54 0.01	4.25 0.13	3.30 0.15	7
8										3.60 -0.03	4.23 0.26	3.13 0.29	8
9										3.71 0.01	4.10 0.33	3.22 0.31	9
10										3.58 -0.06	3.84 0.32	3.20 0.36	10
11										3.54 -0.04	3.47 0.22	3.37 0.30	11
12										3.27 -0.13	3.07 0.08	3.13 0.17	12
13										2.95 -0.19	3.18 0.17	3.24 -0.08	13
14										2.80 -0.07	3.35 0.36	3.40 -0.07	14
15										3.30 0.44	3.25 0.36	3.54 0.01	15
16										3.53 0.98	3.26 -0.07	3.65 0.09	16
17										3.48 0.87	3.44 -0.20	3.56 0.11	17
18										3.58 0.91	3.76 -0.27	2.52 -0.07	18
19										3.85 0.70	2.30 -0.16	3.42 -0.24	19
20										2.24 0.50	3.65 -0.26	2.99 -0.42	20
21										3.73 0.09	3.70 -0.23	2.89 -0.29	21
22										3.76 -0.04	3.51 -0.27	2.91 -0.01	22
23										3.93 -0.01	3.62 -0.04	3.01 0.03	23
24										4.02 -0.13	3.60 0.03	3.20 0.06	24
25										3.78 -0.30	3.39 0.08	3.50 -0.02	25
26										3.71 -0.25	3.50 0.36	3.76 -0.05	26
27										3.51 -0.38	3.56 0.53	3.85 0.02	27
28										3.34 -0.25	3.51 0.48	3.76 -0.02	28
29										3.26 -0.05	3.54 0.31	3.62 -0.15	29
30										3.14 0.09	3.77 0.06	3.67 -0.17	30
31										3.16 -0.04	4.00 0.03		31
MAXIMUM										4.02	4.25	4.27	MAXIMUM
MINIMUM										-0.38	-0.27	-0.42	MINIMUM

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R., M.D.B. & M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 07 48	121 34 46	NW 7 3N 4E		7.1	12-26-1955		JUN 1929-OCT 1966	1929	1940	0.00	USED
							JUL 1972-DATE	1940		0.00	USCGS
								1940		3.11	USED
									1964	-0.71	USCGS
								1964	1966	0.00	USCGS
								1972		0.00	USCGS

Station located on Andrus Island, 2.8 miles southeast of Isleton. Station discontinued October 1966 and reactivated July 1972.

TABLE B-12 (CONT.)
DAILY MAXIMUM AND MINIMUM TIDES
(IN FEET)

WATER YEAR	STATION NUMBER	STATION NAME
1972	B95100	SAN JOAQUIN RIVER AT SAN ANDREAS LANDING

DATE	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	DATE
1	3.14 -0.35	3.07 -0.46	3.78 -0.43	3.74 -0.29	3.08 -0.24	2.54 0.03	2.90 -0.45	3.10 -0.87	3.66 -0.41	3.36 0.69	3.57 0.34	4.42 0.40	1
2	3.02 -0.23	3.39 -0.50	4.53 1.72	3.61 -0.34	2.60 -0.11	2.59 -0.09	3.06 -0.51	3.19 -0.80	3.42 -0.29	3.40 0.93	4.00 0.24	4.18 0.58	2
3	2.91 -0.10	3.40 0.39	3.92 -0.06	3.30 -0.23	2.39 -0.42	2.80 -0.05	3.24 -0.27	3.36 -0.50	3.04 -0.35	3.37 0.66	4.35 0.29	2.82 0.28	3
4	3.24 0.01	3.67 -0.62	3.63 -0.41	2.81 -0.41	2.81 -0.16	2.82 -0.17	3.33 -0.44	3.65 0.00	2.94 -0.40	3.47 0.66	2.50 0.25	3.92 0.14	4
5	3.54 0.41	3.77 -0.50	3.16 -0.65	2.49 -0.53	3.22 0.27	2.70 -0.46	3.54 0.00	2.99 -0.60	3.20 -0.29	3.71 0.77	4.28 0.08	3.66 0.07	5
6	3.75 -0.02	3.51 -0.41	2.91 -0.79	2.64 -0.46	3.11 0.08	2.82 -0.41	3.17 -0.41	2.59 -0.64	2.33 0.30	2.19 0.55	4.21 0.03	3.53 0.21	6
7	3.97 0.09	3.50 -0.53	2.04 -0.82	2.91 -0.22	2.99 -0.29	3.07 -0.35	2.68 -0.62	2.42 -0.63	3.70 0.29	3.69 0.28	4.39 0.34	3.45 0.37	7
8	4.02 0.04	3.09 -0.45	2.11 -1.11	3.07 0.12	3.22 -0.37	3.67 0.11	2.58 -0.66	2.41 -0.58	4.22 0.22	3.75 0.24	4.40 0.47	3.31 0.51	8
9	3.84 0.14	2.55 -0.49	2.32 -1.09	2.95 -0.34	3.46 -0.33	3.27 -0.34	2.60 -0.49	2.65 -0.26	4.31 0.00	3.84 0.27	4.27 0.55	3.34 0.55	9
10	3.58 0.01	2.56 -0.58	2.65 -0.83	2.91 -0.69	3.58 -0.34	3.16 -0.44	2.63 -0.24	2.89 -0.49	4.27 -0.33	3.72 0.20	4.00 0.55	3.34 0.60	10
11	3.19 -0.16	3.02 -0.42	2.71 -0.44	3.00 -0.82	3.57 -0.38	3.13 -0.42	3.07 0.08	3.13 -0.60	4.17 -0.49	3.68 0.22	3.60 0.43	3.54 0.54	11
12	3.00 -0.30	3.13 0.05	3.36 -0.12	3.32 -0.74	3.54 -0.38	3.17 -0.37	3.08 0.05	3.40 -0.63	4.11 -0.42	3.44 0.14	3.24 0.30	3.29 0.38	12
13	2.76 -0.23	3.37 0.30	3.09 -0.56	3.37 -0.71	3.55 -0.18	3.16 -0.22	3.49 -0.10	3.71 -0.56	4.17 -0.26	3.12 0.07	3.31 0.41	3.41 0.14	13
14	3.12 0.19	2.89 -0.28	3.34 -0.40	3.43 -0.69	3.48 -0.22	2.98 -0.15	3.28 -0.40	3.95 -0.45	3.99 -0.14	2.97 0.20	3.50 0.62	3.57 0.16	14
15	3.32 0.38	2.90 -0.50	3.29 -0.69	3.48 -0.58	3.08 0.41	2.78 -0.08	3.61 -0.32	4.04 -0.26	3.57 -0.30	3.43 0.73	3.41 0.59	3.74 0.23	15
16	3.07 0.31	2.85 -0.68	3.21 -0.91	3.56 1.03	2.69 -0.40	2.99 -0.08	3.94 -0.09	3.94 -0.22	3.12 -0.35	3.69 1.25	3.43 0.16	3.83 0.33	16
17	3.13 0.22	3.20 -0.60	3.28 -0.82	3.51 -0.49	2.51 -0.41	3.41 0.08	3.70 -0.41	3.55 -0.55	3.13 -0.34	3.63 1.11	3.64 0.02	3.72 0.34	17
18	3.07 -0.05	3.36 1.07	3.60 1.29	3.30 -0.39	2.83 -0.25	3.80 0.11	3.39 -0.60	3.16 -0.49	3.69 0.37	3.74 1.19	3.94 -0.04	2.69 0.14	18
19	3.10 -0.07	3.50 -0.69	3.55 -0.52	2.96 -0.32	3.45 0.23	3.58 -0.30	2.96 -0.97	2.83 -0.55	3.67 0.72	4.01 0.99	3.82 0.07	3.57 -0.04	19
20	3.33 0.85	3.47 -0.52	3.43 -0.50	2.58 -0.35	3.31 -0.18	3.66 -0.25	2.72 -0.84	2.44 -0.38	3.63 0.45	2.45 0.75	2.41 -0.05	3.15 -0.22	20
21	3.20 -0.18	3.51 -0.53	3.19 -0.51	2.62 -0.44	3.54 -0.24	3.87 -0.05	2.33 -0.91	2.72 -0.50	3.57 -0.28	3.95 0.35	3.85 -0.02	3.03 -0.08	21
22	3.50 -0.45	3.24 -0.50	3.54 -0.29	2.93 -0.28	3.70 -0.27	3.91 0.04	2.22 -0.76	2.66 -0.20	3.18 -0.33	3.92 0.20	3.67 -0.07	3.07 0.20	22
23	3.71 -0.17	2.86 -0.60	2.91 0.19	3.47 -0.05	3.56 -0.38	3.08 -0.62	2.39 -0.24	3.04 -0.11	3.72 0.36	4.10 0.20	3.77 0.17	3.16 0.21	23
24	3.56 -0.15	2.52 -0.76	3.25 -0.14	3.29 -0.49	3.56 -0.37	2.88 -0.55	2.75 -0.05	3.22 -0.23	3.52 0.17	4.18 0.05	3.75 0.23	3.34 0.31	24
25	3.13 -0.33	2.28 -0.76	3.51 0.21	4.05 0.04	3.41 -0.39	2.75 -0.55	2.65 -0.45	3.47 -0.18	3.71 0.30	3.95 -0.11	3.55 0.28	3.64 0.17	25
26	2.97 -0.58	2.37 -0.88	3.85 0.37	3.98 -0.12	3.28 -0.37	2.46 -0.53	2.62 -0.60	3.71 -0.17	3.94 0.62	3.87 -0.06	3.67 0.57	3.91 0.15	26
27	2.80 -0.49	2.76 -0.51	4.28 0.34	4.21 -0.14	3.11 -0.25	2.42 -0.32	2.85 -0.58	3.76 -0.21	3.96 0.52	3.67 -0.19	3.71 0.77	4.00 0.20	27
28	2.08 -0.61	3.28 -0.14	4.14 0.05	3.45 -0.58	3.23 0.08	2.42 -0.28	3.27 -0.42	3.89 -0.26	3.79 0.45	3.49 -0.06	3.67 0.70	3.91 0.16	28
29	2.13 -1.02	3.73 -0.04	4.11 -0.14	3.40 -0.45	2.90 -0.11	2.67 -0.34	2.76 -1.06	3.78 -0.32	3.61 0.33	3.43 0.17	3.68 0.52	3.77 0.03	29
30	2.53 -0.62	3.77 -0.33	3.99 -0.20	3.24 0.62		2.68 -0.43	2.83 -1.03	3.70 -0.39	3.26 0.14	3.30 0.32	3.93 0.28	3.82 0.01	30
31	2.83 -0.34		3.90 1.23	3.21 -0.44		2.81 -0.42		3.66 -0.39		3.32 0.18	4.16 0.26		31
MAXIMUM	4.02	3.77	4.53	4.21	3.70	3.91	3.94	4.04	4.31	4.18	4.40	4.42	MAXIMUM
MINIMUM	-1.02	-0.88	-1.11	-0.82	-0.42	-0.62	-1.06	-0.87	-0.49	-0.19	-0.07	-0.22	MINIMUM

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R., M.D.B. & M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 06 12	121 35 26	SE 13 3N 3E		9.7	12-26-1955		MAY 1952-DATE	1952		-2.84	USCGS
									1964	-3.39	USCGS
								1964	AUG 1971	-3.00	USCGS
								1971		0.00	USCGS

Station located approximately 1.2 miles below Mokelumne River.

TABLE B-12 (CONT.)
DAILY MAXIMUM AND MINIMUM TIDES
(IN FEET)

WATER YEAR	STATION NUMBER	STATION NAME
1972	B95060	THREEMILE SLOUGH AT SAN JOAQUIN RIVER

DATE	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	DATE
1	2.74 -0.70	2.71 -0.82	3.42 -0.79	3.39 0.86	2.64 -0.50	1.98 -0.30	2.53 -0.76	2.60 -0.99	2.71 -0.25	2.82 0.36	2.80 0.33	NR NR	1
2	2.62 -0.58	3.02 -0.86	4.17 1.36	3.25 -0.67	2.15 -0.36	2.06 -0.29	2.65 -0.82	2.65 -0.84	2.27 -0.14	2.85 0.56	3.24 0.32	NR NR	2
3	2.53 -0.47	3.04 0.10	3.61 -0.44	2.89 -0.55	1.93 -0.67	2.27 -0.23	2.86 -0.59	2.82 -0.50	2.08 -0.23	2.81 0.36	3.60 0.37	NR NR	3
4	2.88 -0.37	3.31 -0.99	3.28 -0.79	2.40 -0.73	2.36 -0.39	2.32 -0.36	2.87 -0.74	3.12 -0.12	2.16 -0.30	2.92 0.36	1.86 0.36	NR NR	4
5	3.18 -0.39	3.40 -0.83	2.78 -1.01	2.09 -0.86	2.72 0.07	2.22 -0.64	3.15 -0.28	2.51 -0.79	2.39 -0.20	1.67 0.43	3.56 0.25	2.27 0.67	5
6	3.38 0.34	3.14 -0.80	2.49 -1.13	2.24 -0.77	2.64 -0.16	2.34 -0.61	2.74 -0.74	2.08 1.06	2.96 0.38	3.16 0.25	3.44 0.23	3.08 -0.05	6
7	3.61 -0.27	3.09 -0.88	1.65 -1.23	2.51 -0.51	2.52 -0.52	2.59 -0.55	2.25 -0.96	1.88 -0.84	3.54 0.38	3.20 0.01	3.62 0.52	3.00 0.10	7
8	3.61 -0.35	2.64 -0.80	1.74 -1.45	2.67 -0.17	2.75 -0.61	3.17 -0.10	2.14 -0.99	1.85 -0.78	1.94 0.19	3.22 -0.05	3.66 0.63	2.82 0.24	8
9	3.43 -0.24	2.13 -0.81	2.00 -1.39	2.54 -0.61	2.98 -0.56	2.78 -0.52	2.14 -0.79	2.04 -0.71	3.77 -0.09	3.30 0.00	3.56 0.61	2.85 0.29	9
10	3.18 -0.35	2.17 -0.90	2.29 -1.13	2.49 -0.98	3.10 -0.57	2.71 -0.69	2.21 -0.52	2.38 -0.57	3.72 -0.42	3.18 -0.01	3.34 0.58	2.88 0.36	10
11	2.77 -0.51	2.66 -0.71	2.34 -0.75	2.56 -1.12	3.07 -0.62	2.72 -0.73	2.56 -0.15	2.61 -0.26	3.70 -0.62	3.13 0.02	2.96 0.38	3.02 0.30	11
12	2.59 -0.64	2.73 -0.25	3.02 -0.45	2.91 -1.05	3.04 -0.60	2.74 -0.69	2.65 -0.20	2.88 -0.74	3.65 -0.63	2.88 -0.04	2.58 0.26	2.81 0.14	12
13	2.37 -0.57	2.92 0.02	2.69 -0.89	2.97 -1.01	3.04 -0.44	2.74 -0.54	3.07 -0.39	3.17 -0.75	3.71 -0.47	2.57 -0.10	2.70 0.30	2.93 -0.09	13
14	2.66 -0.17	2.49 -0.61	2.99 -0.72	3.02 -1.00	2.97 -0.44	2.56 -0.48	2.86 -0.68	3.40 -0.64	3.55 -0.38	2.43 0.03	2.84 0.47	3.08 -0.10	14
15	2.88 0.00	2.52 -0.84	2.92 -1.03	3.08 -0.88	2.55 0.21	2.39 -0.39	3.22 -0.61	1.82 -0.51	3.10 -0.53	2.76 0.50	2.78 0.52	3.23 -0.03	15
16	2.69 -0.02	2.45 -1.03	2.83 -1.25	3.16 0.77	2.17 -0.59	2.61 -0.39	3.50 -0.42	3.46 -0.33	2.57 -0.58	3.07 0.92	2.86 0.08	3.32 0.06	16
17	2.74 -0.13	2.82 -0.93	2.90 -1.10	3.10 -0.79	2.01 -0.60	3.03 -0.23	3.27 -0.73	2.44 -0.46	2.59 -0.54	2.99 0.86	3.05 -0.09	3.20 0.07	17
18	2.69 -0.41	2.97 0.77	3.22 0.96	2.89 -0.69	2.32 -0.43	3.40 -0.23	2.96 -0.90	2.25 -0.37	3.17 0.12	3.12 0.98	3.38 -0.12	2.16 -0.08	18
19	2.72 -0.42	3.12 -1.02	3.18 -0.87	2.54 -0.62	2.96 0.03	3.18 -0.62	2.53 -1.22	2.13 -0.34	1.98 0.44	3.39 0.80	1.91 0.01	3.07 -0.24	19
20	2.95 0.56	3.07 -0.86	3.02 -0.84	2.16 -0.63	2.81 -0.38	3.27 -0.56	2.28 -1.13	2.02 -0.51	3.14 0.25	1.90 0.68	3.25 -0.11	2.63 -0.43	20
21	2.82 -0.54	3.10 -0.87	NR NR	2.22 -0.71	3.04 -0.44	3.45 -0.42	1.86 -1.17	1.15 -0.20	3.14 -0.34	3.30 0.31	3.27 -0.07	2.54 -0.31	21
22	3.09 -0.74	2.84 -0.84	NR NR	2.53 -0.54	3.19 -0.46	3.49 -0.32	1.73 -1.00	2.38 -0.07	2.80 -0.46	3.26 0.20	3.09 -0.13	2.54 -0.03	22
23	3.29 -0.50	2.45 -0.93	2.53 -0.12	3.02 -0.32	3.05 -0.57	2.67 -0.96	1.91 -0.41	2.55 -0.15	3.28 -0.01	3.43 0.26	3.18 0.10	2.67 -0.02	23
24	3.14 -0.50	2.10 -1.08	2.87 -0.45	2.87 -0.76	3.03 -0.55	2.46 -0.90	2.29 -0.30	2.77 -0.11	3.07 -0.18	3.50 0.22	NR NR	2.86 0.13	24
25	2.72 -0.64	1.89 -1.09	3.13 -0.12	3.64 -0.23	2.89 -0.59	2.34 -0.84	2.16 -0.62	2.99 -0.07	3.26 -0.04	3.27 0.06	NR NR	3.15 -0.10	25
26	2.56 -0.90	1.99 -1.19	3.50 0.12	3.55 -0.40	2.74 -0.56	2.05 -0.83	2.16 -0.78	3.05 -0.09	3.47 0.27	3.15 0.11	NR NR	3.43 -0.06	26
27	2.37 -0.85	2.38 -0.83	3.89 0.00	3.75 -0.42	2.56 -0.47	2.01 -0.64	2.37 -0.75	3.15 -0.08	3.46 0.17	2.98 0.00	NR NR	3.53 0.00	27
28	1.64 -1.00	2.91 -0.47	3.78 -0.30	3.01 -0.88	2.68 -0.10	2.04 -0.57	2.71 -0.63	3.03 -0.18	3.29 0.11	2.79 0.11	NR NR	3.44 -0.08	28
29	1.73 -1.35	3.36 -0.40	3.77 -0.50	2.96 -0.74	2.33 0.29	2.26 -0.65	2.28 -1.21	2.95 1.47	3.11 0.02	2.71 0.28	NR NR	3.29 -0.21	29
30	2.16 -0.95	3.41 -0.69	3.63 -0.56	2.80 0.39		2.30 -0.73	2.33 -1.17	2.96 -0.22	2.77 -0.16	2.53 0.37	NR NR	3.30 -0.21	30
31	2.45 -0.69		3.55 -0.62	2.76 -0.70		2.42 -0.73		2.94 -0.26		2.53 0.23	NR NR		31
MAXIMUM	3.61	3.41	NR	3.75	3.19	3.49	3.50	3.46	3.77	3.50	NR	NR	MAXIMUM
MINIMUM	-1.35	-1.19	NR	-1.12	-0.67	-0.96	-1.22	-0.99	-0.63	-0.10	NR	NR	MINIMUM

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R., M.D.B. & M	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 05 15	121 41 08	SE 19 3N 3E		5.9	4-6-1958		JUNE 1929-DATE	1929	1940	0.00	USED
								1940	1959	0.00	USCGS
								1959		-10.00	USCGS
								1959		-7.11	USED
									1964	-10.45	USCGS
								1964		0.00	USCGS

Station located on Sherman Island, 4.9 miles south of Rio Vista. Maximum of record is maximum recorded stage -- record not complete in December 1955.

TABLE B-12 (CONT.)
DAILY MAXIMUM AND MINIMUM TIDES
(IN FEET)

WATER YEAR	STATION NUMBER	STATION NAME
1972	B95020	SAN JOAQUIN RIVER AT ANTIOCH

DATE	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	DATE
1	2.11 -1.37	2.82 -1.50	3.47 -1.53	3.47 -1.47	2.74 -1.05	2.08 -0.99	2.56 -1.32	2.69 -1.76	3.19 -1.34	NR NR	3.19 -0.47	3.88 -0.53	1
2	2.66 -1.24	3.14 -1.58	4.14 -1.24	3.33 -1.30	2.23 -1.32	2.21 -0.89	2.64 -1.36	2.76 -1.69	2.91 -1.21	NR NR	3.56 -0.58	3.66 -0.52	2
3	2.60 -1.10	3.13 -1.74	3.69 -1.53	2.96 0.56	1.99 -0.59	2.44 -0.85	2.86 -1.16	2.92 -1.40	2.46 -1.24	NR NR	3.85 -0.56	3.46 -0.78	3
4	2.97 -1.03	3.38 -0.03	3.29 0.38	2.38 -1.52	2.42 -0.97	2.49 -0.96	2.81 -1.27	3.06 -0.99	2.48 -1.21	NR NR	3.81 -0.73	2.17 -0.89	4
5	3.27 -1.08	3.45 -1.55	2.79 -1.74	2.06 -1.53	2.77 -0.43	2.35 -1.21	3.06 -0.77	2.47 -1.52	2.81 -1.01	NR NR	3.79 -0.89	3.28 -0.90	5
6	3.46 -0.96	3.15 -1.50	2.55 -1.82	2.24 -1.35	2.63 -0.66	2.42 -1.15	2.63 -1.30	2.02 -1.61	3.30 -0.40	NR NR	2.10 -0.99	3.19 -0.71	6
7	3.66 0.31	3.03 -1.55	1.60 -1.86	2.51 -0.98	2.46 -1.05	2.60 -1.09	2.14 -1.54	1.99 -1.52	3.75 -0.53	NR NR	3.91 -0.70	3.12 -0.55	7
8	3.60 -1.04	2.57 -1.43	1.76 -2.06	2.65 -0.64	2.65 -1.16	3.12 -0.66	2.06 -1.61	1.42 -1.45	1.95 -0.67	NR NR	3.99 -0.56	2.90 -0.39	8
9	3.39 -0.92	2.08 -1.39	2.02 -1.90	2.48 -1.10	2.89 -1.19	2.77 -1.11	2.12 -1.41	2.21 -1.09	3.92 -0.96	NR NR	3.86 -0.47	2.91 -0.25	9
10	3.09 -1.00	2.16 -1.44	2.36 -1.53	2.42 -1.56	3.03 -1.28	2.69 -1.32	2.26 -1.19	2.47 -1.31	3.85 -1.35	NR NR	3.62 -0.46	2.96 -0.27	10
11	2.70 -1.10	2.70 -1.23	2.34 -1.24	2.49 -1.76	3.08 -1.38	2.75 -1.39	2.62 -0.69	2.80 -1.52	3.76 -1.53	NR NR	3.18 -0.55	3.05 0.15	11
12	2.53 -1.22	2.74 -0.70	3.07 -0.98	2.85 -1.71	3.13 -1.39	2.82 -1.35	2.73 -0.82	3.11 -1.63	3.74 -1.47	NR NR	2.79 -0.56	2.86 -0.44	12
13	2.61 -1.14	2.94 -0.58	2.72 -1.50	2.95 -1.71	3.17 -1.26	2.84 -1.20	3.14 -1.06	3.41 -1.61	3.79 -1.29	NR NR	2.90 -0.45	2.96 -0.66	13
14	2.60 -0.74	2.55 -1.18	2.96 -1.33	3.04 -1.71	3.14 -1.27	2.63 -1.14	3.02 -1.43	3.64 -1.50	3.62 -1.18	NR NR	2.98 -0.19	3.01 -0.69	14
15	2.81 -0.60	2.70 -1.45	2.90 -1.70	3.13 -1.62	2.74 -1.42	2.47 -1.01	3.35 -1.39	3.67 -1.37	3.14 -1.28	NR NR	2.91 -0.21	3.12 -1.00	15
16	2.72 -0.52	2.51 -1.69	2.85 -1.95	3.21 -1.53	2.36 -1.40	2.71 -0.98	3.57 -1.21	3.52 -1.32	2.59 -1.29	NR NR	2.96 -0.62	3.23 -0.55	16
17	2.77 -0.66	2.84 -1.58	2.89 -1.77	3.17 -1.43	2.18 -1.16	3.18 -0.85	3.34 -1.54	3.02 -1.57	2.68 -1.16	NR NR	3.11 -0.80	3.12 -0.59	17
18	2.73 -1.00	3.07 -1.66	3.21 -1.57	2.96 -1.36	2.53 -0.86	3.45 -0.91	3.14 -1.58	2.61 -1.53	3.12 -0.44	NR NR	3.30 -0.85	3.09 -0.80	18
19	2.75 -1.03	3.10 -1.52	3.16 -1.53	2.60 -0.14	3.14 -0.66	3.26 -1.27	2.60 -1.95	2.40 -1.35	3.12 -0.09	NR NR	3.28 -0.81	2.02 -0.95	19
20	2.95 -1.16	3.06 -1.53	3.02 -1.53	2.21 -1.33	2.98 -1.09	3.32 -1.20	2.30 -1.75	2.33 -1.09	3.16 -0.33	NR NR	3.32 -1.02	2.72 -1.15	20
21	2.82 -1.35	3.05 0.80	2.72 0.42	2.28 -1.36	3.16 -1.16	3.41 -1.09	1.86 -1.80	2.28 -1.22	3.04 -0.80	3.44 -0.70	1.92 -0.98	2.69 -1.00	21
22	3.05 0.53	2.78 -1.51	3.20 -1.21	2.60 -1.09	3.26 -1.19	3.41 -0.95	1.64 -1.59	2.65 -0.91	1.72 -0.91	3.59 -0.90	3.25 -1.05	2.66 -0.75	22
23	3.17 -1.13	2.38 -1.56	2.48 -0.69	3.10 -0.91	3.15 -1.33	2.62 -1.61	2.01 -1.06	1.44 -0.89	NR NR	2.08 -0.85	3.37 -0.78	2.83 -0.71	23
24	3.05 -1.09	2.02 -1.70	2.88 -1.05	2.94 -1.40	3.14 -1.36	2.42 -1.55	2.41 -0.91	2.85 -1.05	NR NR	3.70 -0.90	3.42 -0.75	3.01 -0.84	24
25	2.61 -1.22	1.87 -1.68	3.14 -0.62	3.73 -0.95	3.04 -1.40	2.36 -1.39	2.27 -1.26	3.05 -1.05	NR NR	3.54 -1.06	3.18 -0.65	3.29 -1.00	25
26	2.45 -1.43	2.02 -1.75	3.50 -0.46	3.57 -1.22	2.90 -1.39	2.11 -1.40	2.29 -1.38	3.22 -1.09	NR NR	3.46 -1.05	3.26 -0.29	3.59 -0.79	26
27	2.31 -1.43	2.43 -1.35	3.91 -0.63	3.80 -1.21	2.73 -1.25	2.05 -1.21	2.53 -1.43	3.33 -1.15	NR NR	3.28 -1.15	3.29 -0.09	3.62 -0.74	27
28	1.65 -1.55	2.91 -1.06	3.81 -1.03	3.08 -1.68	2.86 -0.96	2.12 -1.09	2.76 -1.42	3.41 -1.18	NR NR	3.11 -0.98	3.34 -0.11	3.48 -0.81	28
29	1.80 -1.93	3.40 -1.07	3.82 -1.28	3.08 -1.54	2.44 -1.09	2.31 -1.20	2.39 -1.89	3.29 -1.28	NR NR	2.99 -0.74	3.34 -0.41	3.34 -0.92	29
30	2.23 -1.52	3.52 -1.39	3.71 -1.40	2.91 -1.47		2.36 -1.29	2.47 -1.92	3.21 -1.34	NR NR	2.84 -0.61	3.54 -0.62	3.29 -0.92	30
31	2.60 -1.31		3.64 -1.41	2.85 -1.24		2.49 -1.30		3.19 -1.37		2.91 -0.62	3.73 -0.63		31
MAXIMUM	3.66	3.52	4.14	3.80	3.26	3.45	3.57	3.67	NR	3.70	3.99	3.88	MAXIMUM
MINIMUM	-1.93	-1.75	-2.06	-1.76	-1.42	-1.61	-1.95	-1.76	NR	-1.15	-1.05	-1.15	MINIMUM

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R., M.D.B. & M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 01 04	121 48 06	SW 18 2N 2E		6.2	12-26-1955		JUNE 1929-DATE	1929	1940	0.00	USED
								1940	1957	0.00	USCGS
								1957	1957	-9.71	USCGS
								1957		-9.96	USCGS
								1957		-6.97	USED
									1964	-10.11	USCGS
								1964		0.00	USCGS

Station located in pump house on wharf at city water works immediately north of Antioch.

TABLE B-12 (CONT.)
DAILY MAXIMUM AND MINIMUM TIDES
(IN FEET)

WATER YEAR	STATION NUMBER	STATION NAME
1972	E03300	SUISUN BAY AT BENICIA

DATE	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	DATE
1	2.89 -2.50	3.33 -2.65	3.98 -3.03	3.87 -3.09	3.11 -2.27	2.34 -2.21	2.79 -2.38	2.84 -2.83	3.18 -2.43	2.93 -1.84	3.41 -1.26	3.88 -1.81	1
2	2.85 -2.42	3.64 -2.86	4.37 -2.91	3.67 -2.73	2.67 -2.40	2.50 -1.89	2.82 -2.35	2.84 -2.69	2.84 -2.26	3.06 -1.59	3.71 -1.43	3.73 -1.85	2
3	3.02 -2.19	3.60 -3.13	4.18 -3.08	3.30 -2.81	2.35 -1.82	2.66 -1.83	2.90 -2.15	2.93 -2.35	2.44 -2.21	3.21 -1.55	3.81 -1.56	3.57 -2.03	3
4	3.47 -2.19	3.79 -2.97	3.57 -3.27	2.62 -2.73	2.77 -1.00	2.64 -1.97	2.91 -2.13	2.83 -2.18	2.72 -2.05	3.42 -1.12	3.90 -1.97	3.49 -2.15	4
5	3.78 -2.38	3.79 -2.86	3.08 -3.20	2.39 -2.35	3.06 -0.74	2.51 -2.07	3.16 -1.48	2.41 -2.42	3.15 -1.68	3.68 -1.65	4.00 -2.29	3.47 -2.18	5
6	3.92 -2.35	3.39 -2.82	2.73 -3.22	2.60 -1.60	2.76 -1.35	2.47 -1.95	2.71 -2.13	1.99 -2.53	3.48 -1.03	3.79 -2.10	4.11 -2.36	2.81 -1.86	6
7	4.03 -2.32	3.06 -2.60	1.74 -3.23	2.81 -0.89	2.46 -1.72	2.58 -1.78	2.21 -2.49	2.18 -2.43	3.90 -1.54	3.87 -2.54	4.08 -2.26	3.37 -1.73	7
8	3.78 -2.29	2.69 0.26	2.08 -0.68	2.80 -1.25	2.66 -1.90	2.93 -1.57	2.16 -2.63	2.46 -2.35	4.14 -1.95	4.01 -2.85	2.73 -2.03	3.01 -1.54	8
9	3.45 0.52	2.35 -2.41	2.42 -2.68	2.61 -1.76	2.91 -2.08	2.79 -2.00	2.42 -2.45	2.81 -1.93	4.21 -2.25	2.01 -3.01	4.01 -1.91	3.18 -1.13	9
10	3.11 -2.34	2.43 -2.25	2.67 -1.96	2.52 -2.42	3.11 -2.39	2.82 -2.45	2.77 -2.23	3.17 -2.33	4.04 -2.82	3.96 -3.07	3.73 -1.84	3.28 -1.25	10
11	2.82 -2.21	3.06 -1.82	2.58 -1.95	2.60 -2.81	3.19 -2.64	2.80 -2.59	3.11 -1.72	3.56 -2.73	2.09 -3.12	3.93 -2.91	3.36 -1.68	3.22 -1.37	11
12	2.70 -2.20	3.04 -1.26	3.39 -1.80	2.93 -2.82	3.35 -2.73	2.95 -2.66	2.81 -1.75	1.83 -3.02	4.06 -3.01	3.67 -2.79	2.99 -1.53	3.05 -1.58	12
13	2.67 -2.05	3.19 -1.51	2.81 -2.48	3.09 -2.89	3.46 -2.66	3.06 -2.54	3.42 -2.42	3.83 -3.13	4.07 -2.81	3.31 -2.61	3.11 -1.29	2.99 -1.66	13
14	2.77 -1.61	2.74 -2.11	3.24 -2.39	3.33 -2.96	3.46 -2.67	2.93 -2.45	3.46 -2.85	4.03 -3.08	3.79 -2.62	2.96 -2.19	3.07 -0.99	2.94 0.60	14
15	2.91 -1.53	2.90 -2.59	3.13 -2.94	3.44 -2.95	3.07 -2.77	2.88 -2.20	3.79 -2.83	3.94 -3.02	3.27 -2.53	3.26 -1.62	2.92 -0.45	2.93 -1.58	15
16	3.07 -1.28	2.86 -2.78	3.06 -3.27	3.55 -2.88	2.74 -2.65	3.15 -2.13	3.95 -2.82	3.73 -2.88	2.67 -2.36	3.23 -1.05	2.91 -1.28	3.01 -1.55	16
17	3.13 -1.57	3.08 -2.74	3.14 -3.08	3.52 -2.79	2.61 -2.26	3.60 -2.09	3.64 -3.04	3.22 -2.87	2.89 -1.98	3.24 -0.80	3.03 -1.53	3.04 -1.60	17
18	3.05 -2.01	3.36 -2.84	3.48 -2.89	3.32 -2.67	3.03 -1.86	3.78 -2.28	3.26 -3.04	2.68 -2.63	3.17 -1.17	3.41 -1.01	3.16 -1.68	3.15 -1.78	18
19	3.01 -2.12	3.33 -2.67	3.40 -2.89	2.89 -2.54	3.57 -1.66	3.55 -2.54	2.72 -3.11	2.59 -2.15	3.12 -0.82	3.48 0.50	3.27 -1.69	2.88 -1.95	19
20	3.17 -2.23	3.25 -2.67	3.26 -2.81	2.58 -2.43	3.39 -2.08	3.55 -2.41	2.45 -2.78	2.57 -1.76	3.19 -1.27	3.48 -1.18	3.34 -1.94	3.01 -2.21	20
21	3.05 -2.42	3.11 -2.70	2.99 -2.34	2.71 -2.01	3.43 -2.23	3.48 -2.26	2.02 -2.83	2.58 -1.84	3.26 -1.66	3.48 -1.64	3.39 -2.06	2.61 -2.03	21
22	3.14 -2.21	2.86 -2.79	3.51 -1.75	3.03 -1.54	3.43 -2.29	3.48 -2.21	2.31 -2.48	2.85 -1.52	3.42 -1.64	3.56 -2.00	3.55 -2.20	3.02 -1.81	22
23	3.17 -2.11	2.53 -2.76	2.74 -1.99	3.44 -1.91	3.36 -2.47	2.76 -2.82	2.74 -1.92	2.99 -1.71	3.32 -2.06	3.69 -2.08	2.48 -1.99	3.26 -1.81	23
24	3.11 -2.20	2.12 0.11	3.25 -0.22	3.24 -2.50	3.39 -2.61	2.55 -2.78	2.52 -1.82	3.17 -1.86	3.54 -2.33	3.67 -2.23	3.60 -1.95	3.51 -1.98	24
25	2.68 0.91	2.11 -2.69	3.55 -1.42	4.08 -2.26	3.34 -2.74	2.57 -2.55	2.59 -2.10	3.21 -2.05	3.71 -2.32	3.60 -2.35	3.41 -1.85	3.75 -1.93	25
26	2.47 -2.34	2.36 -2.71	3.90 -1.30	3.79 -2.58	3.19 -2.76	2.38 -2.48	1.86 -2.31	3.31 -2.40	2.27 -2.26	3.48 -2.45	3.25 -1.51	4.02 -1.90	26
27	2.29 -2.33	2.74 -2.18	4.18 -1.95	4.07 -2.72	3.07 -2.57	2.36 -2.25	2.88 -2.36	1.85 -2.57	3.66 -2.47	2.34 -2.37	3.52 -1.28	3.95 -1.96	27
28	1.75 -2.79	3.43 -2.02	4.08 -2.53	3.50 -3.25	3.16 -2.10	2.43 -2.01	2.99 -2.62	3.32 -2.53	3.54 -2.53	3.30 -2.16	3.64 -1.46	3.72 0.45	28
29	2.12 -3.03	3.75 -2.30	4.11 -2.88	3.49 -3.01	2.62 -2.34	2.55 -2.19	2.57 -2.99	3.33 -2.60	3.28 -2.51	2.96 -1.97	3.70 -1.66	3.47 -2.00	29
30	2.67 -2.43	3.93 -2.82	4.05 -3.10	3.35 -2.90		2.65 -2.30	2.69 -2.98	3.33 -2.56	3.13 -2.36	3.01 -1.82	3.76 -0.08	3.29 -2.01	30
31	3.03 -2.26		4.03 -3.06	3.26 -2.53		2.74 -2.35		3.26 -2.54		3.12 -1.66	3.84 -1.71		31
MAXIMUM	4.03	3.93	4.37	4.08	3.57	3.78	3.95	4.03	4.21	4.01	4.11	4.02	MAXIMUM
MINIMUM	-3.03	-3.13	-3.27	-3.25	-2.77	-2.82	-3.11	-3.13	-3.12	-3.07	-2.36	-2.21	MINIMUM

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R., M.D.B. & M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 02 27	122 08 04	SW 6 2N 2W		5.7	4-6-1958		JUN 29-APR 40	1929	1940	-2.21	USCGS
							APR 40-DATE	1940	1942	-5.00	USCGS
								1942		0.00	USCGS

Station located on channel side of wharf (formerly located on inshore side of wherf) immediately southeast of Benicia. Period of record intermittent from 1929 to 1940.

TABLE B-13
CONTENT OF RESERVOIRS
(IN ACRE-FEET)

WATER YEAR	STATION NO.	STATION NAME
1972	A55527	FRENCHMAN LAKE NEAR CHILCOOT

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	45,806	45,456	45,694	NR	47,582	48,958	53,493	55,130	53,493	NR	43,689	40,933	1
2	45,792	45,442	NR	45,724	47,596	49,163	53,554	55,082	53,415	NR	43,552	40,868	2
3	45,778	45,442	NR	NR	47,625	49,456	53,601	55,051	53,292	NR	43,389	40,828	3
4	45,764	45,442	NR	NR	47,639	49,736	53,678	54,941	53,154	NR	43,267	40,828	4
5	45,764	45,428	NR	NR	47,668	49,913	53,818	54,815	53,046	NR	43,118	40,855	5
6	45,750	45,428	NR	NR	47,682	50,105	53,926	54,659	52,816	NR	42,983	40,828	6
7	45,736	45,414	NR	NR	47,697	50,283	53,973	54,565	52,571	NR	42,834	40,802	7
8	45,736	45,400	45,736	NR	47,711	50,477	54,035	54,534	52,267	NR	42,700	40.776	8
9	45,722	45,386	NR	NR	47,740	50,685	54,113	54,518	51,948	NR	42,485	40,750	9
10	45,708	45,386	NR	46,867	47,754	50,939	54,128	54,534	51,630	NR	42,404	40,711	10
11	45,694	45,484	NR	NR	47,769	51,149	54,299	54,487	51,344	NR	42,391	40,698	11
12	45,694	45,498	NR	46,924	47,783	51,329	54,487	54,377	51,104	NR	42,297	40,671	12
13	45,666	45,540	NR	46,952	47,812	51,495	54,549	54,299	50,939	NR	42,204	40,645	13
14	45,666	45,526	45,792	46,952	47,841	51,645	54,659	54,206	50,805	NR	42,137	40,619	14
15	45,652	45,554	NR	46,966	47,855	51,781	54,753	54,097	50,670	NR	42,084	40.593	15
16	45,652	45,540	NR	46,995	47,855	51,918	54,862	53,926	50,596	NR	42,030	40,567	16
17	45,652	45,540	NR	47,009	47,869	52,084	54,957	53,818	50,506	NR	42,030	40,541	17
18	45,638	45,540	NR	47,023	47,927	52,221	55,051	53,725	50,402	NR	NR	40,515	18
19	45,638	45,540	NR	47,066	47,942	52,343	55,114	53,818	50,298	NR	NR	40,502	19
20	45,624	45,540	45,877	47,109	47,999	52,465	55,193	53,756	50,224	NR	NR	40,476	20
21	45,610	45,554	NR	47,123	48,057	52,587	55,287	53,756	50,135	NR	41,884	40,437	21
22	45,610	45,568	NR	47,195	48,158	52,740	55,350	53,771	50,031	NR	41,698	40,411	22
23	45,596	45,568	NR	47,281	48,187	52,847	55,413	53,756	49,913	NR	41,579	40,359	23
24	45,582	45,582	NR	47,309	48,274	52,954	55,429	53,740	49,825	44,526	41,446	40,333	24
25	45,568	45,582	NR	47,381	48,347	53,031	55,366	53,740	49,780	44,443	NR	40,281	25
26	45,554	45,638	NR	47,409	48,390	53,092	55,334	53,709	49,736	44,333	NR	40,294	26
27	45,540	45,666	46,653	47,496	48,463	53,154	55,287	53,740	NR	44,223	NR	40,294	27
28	45,512	45,666	NR	47,510	48,652	53,231	55,271	53,740	NR	44,127	NR	40,255	28
29	45,498	45,694	NR	47,524	48,856	53,308	55,208	53,756	NR	44,017	NR	40,242	29
30	45,470	45,694	NR	47,539		53,369	55,177	53,709	49,559 E	43,935	NR	40,203	30
31	45,456		46,710 E	47,567		53,431		53,632		43,839	40,986 E		31
CHNG	-350	+238	+1,016	+857	+1,289	+4,575	+1,746	-1,545	-4,073	-5,720	-2,853	-783	
MAX.	45,806	45,694	NR	47,567	48,856	53,431	55,429	55,130	53,493	NR	43,689	40,933	MAX.
MIN.	45,456	45,386	NR	NR	47,582	48,958	53,493	53,632	NR	43,839	NR	40,203	MIN.

E — ESTIMATED
NR — NO RECORD

MAXIMUM				
CONTENT	GAGE HT.	MO.	DAY	TIME
55,429	5,588.0	4	24	2400

MINIMUM				
CONTENT	GAGE HT.	MO.	DAY	TIME
40,203	5,577.4	9	30	2400

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			INFLOW	CONTENT	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 53 36	120 11 17	NE 33 24N 16E					JAN 1962-DATE	1962		5500.00	USCGS

Station located at toe of Frenchman Dam on Little Last Chance Creek, 7.1 miles north of Chilcoot.

Frenchman Dam was completed in October 1961 and storage began in November 1961. The lake has a usable capacity of 53,582 acre-feet between elevations 5517 feet (invert of intake) and 5588 feet (crest of spillway). Not available for release, 1,835 acre-feet.

Daily content given is shown at 2400 hours.

Drainage area is 81.1 square miles.

TABLE B-13 (Cont.)
CONTENT OF RESERVOIRS
(IN ACRE-FEET)

WATER YEAR	STATION NO.	STATION NAME
1972	A55383	LAKE DAVIS NEAR PORTOLA

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	76,716	75,383	75,648	77,907	77,907	78,100	81,855	83,448	82,809	80,005	76,486	73,314	1
2	76,677	75,383	75,762	77,945	78,022	78,332	81,895	83,488	82,729	79,848	76,372	73,277	2
3	76,639	75,345	75,762	77,907	78,022	78,603	81,934	83,488	82,650	79,770	76,257	73,239	3
4	76,601	75,307	75,724	77,868	77,984	78,874	82,093	83,488	82,530	79,653	76,143	73,239	4
5	76,601	75,269	75,724	77,907	77,945	79,185	82,928	83,488	82,451	79,497	76,067	73,239	5
6	76,563	75,269	75,800	77,907	77,907	79,302	83,168	83,408	82,371	79,380	75,953	73,165	6
7	76,525	75,231	75,686	77,868	77,830	79,380	83,208	83,368	82,331	79,185	75,838	73,090	7
8	76,486	75,080	75,648	77,830	77,830	79,380	83,128	83,408	82,212	79,069	75,762	72,978	8
9	76,448	75,080	75,724	77,752	77,830	79,653	83,048	83,328	82,133	78,913	75,686	72,904	9
10	76,410	74,967	75,762	77,752	77,752	79,848	82,928	83,328	82,053	78,835	75,535	72,792	10
11	76,372	75,269	75,762	77,675	77,714	79,848	83,168	83,328	81,974	78,719	75,421	72,792	11
12	76,334	75,307	75,915	77,637	77,675	79,731	83,368	83,248	81,895	78,603	75,307	72,718	12
13	76,295	75,497	75,877	77,637	77,637	79,731	83,328	83,248	81,776	78,564	75,156	72,606	13
14	76,067	75,459	75,877	77,598	77,598	79,731	83,288	83,168	81,697	78,448	75,004	72,532	14
15	76,067	75,421	75,877	77,560	77,598	79,770	83,328	83,088	81,578	78,332	74,816	72,495	15
16	76,029	75,421	75,838	77,521	77,560	80,005	83,408	83,088	81,460	78,177	74,702	72,421	16
17	76,029	75,383	75,877	77,445	77,521	80,240	83,488	82,968	81,381	78,138	74,627	72,310	17
18	75,953	75,345	75,838	77,406	77,445	80,475	83,328	82,968	81,302	77,984	74,514	72,235	18
19	75,915	75,345	75,838	77,483	77,368	80,632	83,328	83,168	81,183	NR	74,401	72,124	19
20	75,915	75,345	75,838	77,368	77,445	80,829	83,328	83,368	81,104	NR	74,326	72,050	20
21	75,838	75,269	75,991	77,445	77,445	80,947	83,328	83,488	80,986	NR	74,251	71,939	21
22	75,838	75,307	76,716	77,637	77,637	81,262	83,368	83,488	80,868	NR	74,100	71,866	22
23	75,800	75,269	76,984	77,714	77,791	81,381	83,328	83,408	80,711	NR	74,063	71,755	23
24	75,762	75,307	77,406	77,675	77,907	81,499	83,488	83,328	80,593	77,329	73,950	71,681	24
25	75,686	75,269	77,830	77,830	77,945	81,697	83,488	83,328	80,514	77,176	73,875	71,570	25
26	75,648	75,611	77,830	NR	77,907	81,697	83,488	83,248	80,475	77,060	73,800	71,644	26
27	75,648	75,611	77,907	NR	77,868	81,736	83,448	83,208	80,397	76,945	73,650	71,755	27
28	75,573	75,648	77,907	NR	78,022	81,736	83,488	83,128	80,318	76,907	75,538	71,718	28
29	75,459	75,686	77,907	NR	78,138	81,736	83,488	83,088	80,161	76,754	73,576	71,644	29
30	75,421	75,648	77,945	NR		81,776	83,448	82,968	80,083	76,677	73,463	71,607	30
31	75,383		77,907	77,907 E		81,776		82,889		76,563	73,426		31
CHNG	-1,371	+265	+2,259	0	+231	+3,638	+1,672	-559	-2,806	-3,520	-3,137	-1,819	CHNG
MAX.	76,716	75,686	77,945	77,945	78,138	81,776	83,488	83,488	82,809	80,005	76,486	73,314	MAX.
MIN.	75,383	74,967	75,648	77,368	77,368	78,100	81,855	82,889	80,083	76,563	73,426	71,570	MIN.

E — ESTIMATED
NR — NO RECORD

MAXIMUM				
CONTENT	GAGE HT.	MO.	DAY	TIME
83,488	5,774.8	4	17	2400

MINIMUM				
CONTENT	GAGE HT.	MO.	DAY	TIME
71,570	5,771.7	9	25	2400

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	INFLOW	CONTENT	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 53 03	120 38 31	SW 1 23N 13E					DEC 1966-DATE	1966		5700.00	USCGS

Station located near left abutment of Grizzly Valley Dam on Big Grizzly Creek, 5.3 miles north of Portola. Grizzly Valley Dam, creating Lake Davis, was completed in September 1967; however, storage by the contractor in order to test the outlet works, began on October 18, 1966. The lake has a usable capacity of 84,043 acre-feet between elevations 5700 feet (top of low-level intake) and 5775 feet (crest of spillway). Not available for release 108 acre-feet. Daily content given is shown at 2400 hours. Drainage area is 44.0 square miles.

TABLE B-13 (Cont.)

CONTENT OF RESERVOIRS
(IN ACRE-FEET)

WATER YEAR	STATION NO.	STATION NAME
1972	A54473	ANTELOPE LAKE NEAR BOULDER CREEK GUARD STATION

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	1,985	930	2,064	NR	4,372	7,297	16,460	22,343	22,921	22,408	21,745	21,049	1
2	NR	NR	NR	NR	NR	NR	NR	22,612	22,893	22,380	21,718	21,040	2
3	NR	NR	NR	3,475	NR	NR	NR	22,884	22,874	22,352	21,682	21,022	3
4	NR	NR	NR	NR	NR	NR	NR	23,091	22,865	22,324	21,663	21,022	4
5	1,194	NR	NR	NR	NR	NR	17,331	23,232	22,846	22,297	21,654	21,031	5
6	NR	NR	NR	NR	NR	NR	NR	23,299	22,828	22,269	21,627	21,022	6
7	757	NR	NR	NR	NR	NR	NR	23,318	22,828	22,241	21,609	21,004	7
8	NR	NR	NR	NR	NR	NR	NR	23,299	22,818	22,214	21,582	20,986	8
9	NR	NR	NR	NR	NR	NR	NR	23,280	22,809	22,186	21,572	20,960	9
10	NR	1,180	NR	NR	NR	NR	NR	23,270	22,809	22,167	21,545	20,933	10
11	NR	NR	NR	NR	NR	NR	NR	23,261	22,799	22,149	21,536	20,942	11
12	407	NR	NR	NR	NR	NR	NR	23,261	22,781	22,131	21,500	20,933	12
13	400	NR	NR	NR	NR	NR	NR	23,251	22,771	22,112	21,473	20,915	13
14	NR	NR	NR	NR	NR	NR	NR	23,251	22,753	22,085	21,427	20,897	14
15	NR	1,418	2,566	NR	NR	NR	NR	23,232	22,734	22,075	21,400	20,879	15
16	NR	NR	NR	NR	NR	12,522	NR	23,204	22,725	22,057	21,382	20,870	16
17	NR	NR	NR	NR	NR	12,911	NR	23,185	22,706	22,039	21,373	20,853	17
18	542	NR	NR	NR	NR	13,288	NR	23,166	22,687	22,011	21,337	20,835	18
19	NR	NR	NR	NR	NR	13,610	21,391	23,195	22,678	21,983	21,319	20,817	19
20	606	NR	NR	NR	NR	13,908	NR	23,242	22,650	21,974	NR	20,799	20
21	NR	NR	NR	NR	NR	14,231	21,883	23,223	22,631	21,965	NR	20,781	21
22	NR	1,650	NR	NR	NR	14,581	22,094	23,195	22,603	21,947	NR	20,764	22
23	NR	NR	NR	NR	NR	14,819	22,324	23,166	22,585	21,928	NR	20,746	23
24	NR	NR	NR	NR	NR	15,045	22,436	23,138	22,557	21,910	NR	20,728	24
25	768	NR	NR	NR	NR	15,318	22,362	23,100	22,547	21,883	21,184	NR	25
26	NR	NR	NR	NR	NR	15,533	22,297	23,062	22,519	21,855	21,157	NR	26
27	NR	NR	NR	NR	NR	15,698	22,269	23,044	22,501	21,837	21,139	NR	27
28	NR	NR	NR	NR	NR	15,871	22,269	23,015	22,482	21,819	21,121	NR	28
29	NR	NR	NR	NR	7,251 E	16,030	22,250	22,997	22,454	21,800	21,103	NR	29
30	NR	2,014 E	NR	NR		16,183	22,214	22,968	22,426	21,782	21,085	20,728 E	30
31	905 E		3,317 E	4,337 E		16,367		22,950		21,764	21,067		31
CHNG	-1,220	+1,109	+1,303	+1,020	+2,914	+9,116	+5,847	+736	-524	-662	-697	-339	CHNG
MAX.	NR	NR	NR	NR	NR	16,367	22,436	23,318	22,921	22,408	21,745	21,049	MAX.
MIN.	NR	NR	NR	NR	NR	NR	NR	22,343	22,426	21,764	21,067	20,728	MIN.

E — ESTIMATED
NR — NO RECORD

WATER YEAR SUMMARY

MAXIMUM					MINIMUM				
CONTENT	GAGE HT.	MO.	DAY	TIME	CONTENT	GAGE HT.	MO.	DAY	TIME
23,318	5,002.8	5	7	2400	400	4,951.5	10	13	

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			INFLOW	CONTENT	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
40 10 42	120 36 20	SE 22 27N 12E					JAN 1964-DATE.	1964		4900.00	USCGS

Station located at toe of Antelope Dam on Indian Creek, 1.3 miles south of Boulder Creek Guard Station, 12 miles northeast of Genesee.

Antelope Dam was completed in July 1964; however, usable storage began on November 25, 1963. The lake has a usable capacity of 22,239 acre-feet between elevations 4950 feet (lip of intake tower) and 5002 feet (crest of spillway).

Daily content given is shown at 2400 hours except from October 1 through March 15. Data for this period is from observations made during the day by field personnel.

Drainage area is 68.6 square miles.

TABLE B-13 (Cont.)
CONTENT OF RESERVOIRS
(IN THOUSANDS OF ACRE-FEET)

WATER YEAR	STATION NO.	STATION NAME
1972	A51141	LAKE OROVILLE NEAR OROVILLE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	2,727.1	2,728.8	2,672.4	2,607.6	2,715.9	2,830.5	3,214.5	3,423.8	3,455.8	3,235.3	3,003.4	2,755.0	1
2	2,734.2	2,727.0	2,665.0	2,613.6	2,714.4	2,846.0	3,222.9	3,421.5	3,450.8	3,236.9	2,991.2	2,758.2	2
3	2,741.3	2,725.9	2,659.4	2,611.7	2,718.2	2,869.8	3,230.9	3,417.5	3,457.0	3,219.8	2,982.4	2,760.9	3
4	2,737.4	2,724.6	2,664.5	2,608.7	2,719.2	2,898.4	3,234.6	3,417.8	3,461.8	3,211.6	2,974.5	2,762.7	4
5	2,735.4	2,724.1	2,665.7	2,607.1	2,714.6	2,924.1	3,245.7	3,419.2	3,451.6	3,195.5	2,979.3	2,748.4	5
6	2,732.2	2,730.9	2,657.4	2,604.3	2,741.8	2,942.1	3,264.9	3,422.8	3,443.0	3,180.8	2,981.6	2,737.0	6
7	2,731.3	2,737.4	2,650.8	2,602.0	2,738.7	2,958.1	3,279.4	3,429.0	3,431.7	3,171.9	2,974.5	2,725.3	7
8	2,730.5	2,735.4	2,643.1	2,607.2	2,735.4	2,973.1	3,294.7	3,426.6	3,423.5	3,173.6	2,968.2	2,711.6	8
9	2,736.8	2,733.3	2,635.9	2,616.8	2,731.6	2,988.5	3,307.8	3,423.8	3,415.7	3,175.1	2,957.8	2,714.0	9
10	2,743.7	2,731.4	2,628.5	2,615.9	2,729.7	3,008.2	3,314.7	3,420.8	3,420.6	3,161.6	2,946.7	2,716.1	10
11	2,742.5	2,731.0	2,631.6	2,613.5	2,734.7	3,031.6	3,323.9	3,414.9	3,425.1	3,151.5	2,935.0	2,704.4	11
12	2,739.5	2,731.2	2,631.2	2,614.2	2,744.9	3,052.3	3,336.5	3,412.4	3,413.5	3,144.8	2,930.3	2,693.1	12
13	2,737.5	2,741.6	2,624.5	2,614.0	2,754.9	3,068.3	3,347.4	3,417.4	3,403.8	3,138.4	2,931.0	2,683.3	13
14	2,733.9	2,746.1	2,618.1	2,615.2	2,758.0	3,075.9	3,354.1	3,426.8	3,392.2	3,127.5	2,917.6	2,676.1	14
15	2,726.4	2,745.0	2,610.1	2,623.1	2,760.8	3,081.4	3,362.5	3,426.6	3,378.8	3,125.9	2,904.0	2,668.8	15
16	2,733.3	2,743.2	2,601.3	2,626.9	2,761.9	3,087.0	3,375.9	3,428.0	3,365.1	3,127.5	2,889.6	2,670.0	16
17	2,740.4	2,738.2	2,591.9	2,627.2	2,760.9	3,096.8	3,382.5	3,428.8	3,365.2	3,117.5	2,876.0	2,667.8	17
18	2,733.2	2,732.9	2,596.6	2,627.8	2,761.3	3,113.6	3,386.6	3,429.4	3,367.4	3,109.5	2,861.6	2,660.6	18
19	2,725.9	2,727.9	2,602.9	2,629.0	2,766.0	3,128.0	3,396.8	3,429.3	3,354.7	3,102.0	2,862.2	2,656.4	19
20	2,720.1	2,729.2	2,596.2	2,630.9	2,773.0	3,135.8	3,406.3	3,438.2	3,342.3	3,091.2	2,859.9	2,654.4	20
21	2,713.5	2,735.6	2,591.2	2,634.9	2,782.2	3,144.3	3,411.4	3,446.1	3,333.3	3,082.7	2,844.5	2,655.1	21
22	2,710.3	2,727.6	2,590.9	2,651.4	2,788.4	3,153.8	3,416.9	3,450.5	3,320.9	3,084.6	2,833.5	2,653.2	22
23	2,716.9	2,718.6	2,588.1	2,681.4	2,787.4	3,160.2	3,424.3	3,449.4	3,311.1	3,081.2	2,823.9	2,648.0	23
24	2,723.4	2,708.6	2,592.8	2,687.8	2,787.2	3,161.9	3,424.5	3,445.8	3,311.1	3,073.9	2,816.3	2,644.8	24
25	2,726.0	2,707.6	2,599.4	2,695.4	2,787.9	3,176.7	3,421.4	3,448.8	3,309.0	3,064.7	2,808.9	2,636.8	25
26	2,719.2	2,697.5	2,605.5	2,696.9	2,795.9	3,189.0	3,417.1	3,447.1	3,296.8	3,053.9	2,812.2	2,629.9	26
27	2,719.4	2,695.2	2,603.6	2,699.1	2,803.5	3,190.6	3,415.4	3,454.5	3,283.8	3,042.0	2,813.8	2,623.6	27
28	2,718.6	2,695.4	2,599.8	2,701.0	2,803.5	3,189.2	3,415.5	3,462.9	3,271.8	3,027.6	2,803.8	2,618.0	28
29	2,719.0	2,688.3	2,597.2	2,711.0	2,821.8	3,193.1	3,415.7	3,470.1	3,257.3	3,030.1	2,793.8	2,613.0	29
30	2,724.5	2,680.7	2,594.5	2,719.8		3,200.3	3,423.8	3,464.6	3,243.9	3,030.1	2,781.8	2,611.5	30
31	2,730.8		2,601.0	2,719.0		3,207.1		3,463.3		3,018.5	2,766.2		31
CHNG	+0.4	-50.0	-79.7	+117.9	+102.8	+385.3	+216.8	+39.5	-219.5	-225.4	-252.3	-154.7	MEAN
MAX.	2,743.7	2,746.1	2,672.4	2,719.8	2,821.8	3,207.1	3,424.5	3,470.1	3,461.8	3,236.9	3,003.4	2,762.7	MAX.
MIN.	2,700.4	2,680.7	2,588.1	2,602.0	2,714.4	2,830.5	3,214.5	3,412.4	3,243.9	3,018.5	2,766.2	2,611.5	MIN.
													AC.FT.

E — ESTIMATED
NR — NO RECORD

MAXIMUM				
CONTENT	GAGE HT.	MO.	DAY	TIME
3,470.1	895.70	5	9	2400

MINIMUM				
CONTENT	GAGE HT.	MO.	DAY	TIME
2,588.1	833.11	12	23	2400

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	INFLOW	CONTENT	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 32 05	121 28 25	SW 1- 19N 4E					Nov 1967-DATE	1967		0.47	USCGS

Recorder located near intake structure at left end of Oroville Dam, on the Feather River, 4 miles northeast of Oroville. Lake Oroville has a normal gross storage capacity of 3,538,000 acre-feet at the normal maximum water surface elevation of 900 feet. The active operating storage capacity is 2,686,000 acre-feet above the elevation 640 feet (minimum power pool). Drainage area is 3,611 square miles. Storage began November 14, 1967.

TABLE B-13 (Cont.)
CONTENT OF RESERVOIRS
(IN THOUSANDS OF ACRE-FEET)

WATER YEAR	STATION NO.	STATION NAME
1972	A65105	CAMP FAR WEST RESERVOIR NEAR SHERIDAN

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	80.4	78.8	79.9	95.9	104.8	106.8	105.9	105.5	104.8	89.9	61.4	35.5	1
2	80.3	78.8	80.0	96.1	105.1	106.8	105.9	105.3	104.6	88.8	60.5	34.7	2
3	80.3	78.8	80.1	96.3	105.3	106.8	105.7	105.1	104.8	88.0	59.7	34.0	3
4	80.1	78.8	80.1	96.5	105.3	106.8	105.5	105.0	104.8	86.9	58.9	33.4	4
5	80.0	78.8	80.1	96.5	105.9	106.8	105.7	104.8	104.8	85.8	57.9	32.8	5
6	80.0	78.8	80.1	96.7	106.4	106.8	105.9	104.6	104.4	85.0	57.0	32.3	6
7	79.8	78.8	80.1	96.9	106.1	106.8	105.9	104.6	104.2	84.0	56.1	31.7	7
8	79.6	78.7	80.1	96.9	105.9	106.8	105.9	104.4	103.8	83.2	55.2	31.2	8
9	79.6	78.7	80.1	97.1	105.7	106.7	105.9	104.4	103.6	82.2	54.4	30.7	9
10	79.5	78.7	80.2	97.1	105.5	106.7	105.9	104.4	103.5	81.4	53.5	30.2	10
11	79.4	78.8	80.2	97.2	105.4	106.7	105.9	104.4	103.3	80.4	52.6	29.7	11
12	79.3	79.0	80.4	97.4	105.3	106.7	106.6	104.2	103.3	79.5	51.7	29.2	12
13	79.2	79.4	80.4	97.6	105.3	106.4	107.2	104.9	103.1	78.5	50.8	28 7	13
14	79.0	79.4	80.6	97.9	105.1	106.4	106.8	104.0	102.9	77.6	50.0	28.4	14
15	78.8	79.4	80.6	98.2	105.1	106.6	106.6	103.9	102.7	76.6	49.1	28.2	15
16	78.8	79.4	80.7	98.5	105.1	106.6	106.4	103.8	102.5	75.6	48.3	28.1 E	16
17	78.8	79.4	80.8	98.8	105.1	106.5	106.1	103.8	102.0	74.8	47.5	27.6 E	17
18	78.8	79.4	80.8	98.9	105.1	106.1	106.1	104.0	101.2	73.8	46.5	27.4	18
19	78.7	79.4	80.8	99.3	105.1	106.0	106.1	104.0	100.5	72.9	45.7	27.1	19
20	78.7	79.4	80.8	99.5	105.1	105.9	105.9	104.4	99.7	72.7	44.8	27.0	20
21	78.7	79.4	80.8	100.5	105.1	105.9	105.9	104.8	98.8	70.8	44.0	26.7	21
22	78.7	79.4	82.1	100.8	105.1	105.9	105.9	105.1	97.8	69.8	43.2	26.6	22
23	78.7	79.4	83.1	101.1	105.3	106.1	105.9	105.1	96.9	68.8	42.5	26.4	23
24	78.7	79.4	85.0	101.6	107.0	105.9	105.9	105.3	96.1	68.0	41.6 E	26.2	24
25	78.8	79.5	89.6	101.9	109.2	105.9	105.9	105.3	95.4	67.3	40.9	26.2 E	25
26	78.9	79.5	91.2	102.3	107.9	105.9	105.9	105.3	94.4	66.4	40.1	26.2 E	26
27	78.9	79.8	93.0	102.8	107.0	105.9	105.9	105.5	93.7	65.6	39.3	26.3 E	27
28	78.9	79.7	94.1	103.3	106.6	105.9	105.7	105.3	92.7	64.7	38.5	26.3 E	28
29	78.8	79.8	94.8	103.7	106.8	105.9	105.7	105.3	91.8	63.9	37.7	26.4 E	29
30	78.8	79.9	95.3	104.0		105.8	105.5	105.3	90.9	63.1	37:0	26.5 E	30
31	78.8		95.7	104.4		105.7		105.1		62.2	36.3		31
CHNG	-1.8	+1.1	+15.8	+8.7	+2.4	-1.1	-0.2	-0.4	-14.2	-28.7	25.9	-9.8	CHNG
MAX.	80.6	79.9	95.7	104.4	109.2	106.8	107.2	105.5	104.8	89.9	61.4	35.5	MAX.
MIN.	78.7	78.7	79.9	95.9	104.8	105.7	105.5	103.8	90.9	62.2	36.3	26.2	MIN.

E — ESTIMATED
NR — NO RECORD

MAXIMUM				
CONTENT	GAGE HT.	MO.	DAY	TIME
109.2		2	25	2400

MINIMUM				
CONTENT	GAGE HT.	MO.	DAY	TIME
26.2		9	24	2400

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			INFLOW	CONTENT	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 03 00	121 18 53	SW 21 14N 6E					MAR 1966-DATE	1966		0.00	USCGS

Station located near left abutment of Camp Far West Dam on the Bear River 6.4 miles east of Wheatland and 11.8 miles northwest of Sheridan. Camp Far West Reservoir, owned and operated by the South Sutter Irrigation District, began storage September 30, 1963. Station was installed March 1966, jointly by the South Sutter Irrigation District and the Department of Water Resources. The lake has a usable capacity of 139,600 acre-feet between the elevation 175.00 feet and 316.3 feet (top of spillway gate). Drainage area is 283 square miles. Daily content given is shown at 2400 hours.

TABLE B-14

DAILY INFLOW

This table presents the daily inflow rates to Folsom, Shasta, and Whiskeytown Lakes. The daily inflow rates were computed from information about changes in storage, releases, spills, precipitation, and evaporation. The computed values represent the flow at each damsite if the dam did not exist.

TABLE B-14 (Cont.)

DAILY INFLOW

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1972	A21051	INFLOW TO SHASTA LAKE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	4,880	3,710	5,400	4,080	5,980	25,400	9,680	7,670	5,640	3,410	5,390	4,010	1
2	4,800	3,420	6,970	4,200	7,380	27,040	9,040	7,280	6,900	1,980	4,490	1,800	2
3	3,220	4,070	6,550	5,080	5,330	27,810	9,330	7,530	4,250	5,020	5,340	3,510	3
4	3,670	4,230	5,600	5,450	5,120	24,560	9,220	6,560	2,520	4,690	4,950	3,570	4
5	4,240	4,240	4,780	5,750	6,040	22,250	18,370	7,660	4,060	4,470	1,700	3,060	5
6	4,460	4,050	5,280	4,500	7,900	20,850	23,410	7,220	5,360	4,390	1,460	3,340	6
7	4,330	4,080	5,120	3,700	7,930	18,290	17,090	5,970	5,860	5,380	4,650	4,230	7
8	4,080	4,540	5,190	4,170	6,060	17,230	14,280	6,080	6,350	1,740	5,360	4,220	8
9	4,930	5,290	6,160	3,670	6,100	16,520	13,320	7,000	5,480	1,880	4,960	1,450	9
10	4,000	4,120	4,980	4,890	6,120	17,230	11,520	7,580	5,200	4,910	4,490	1,730	10
11	4,480	5,510	5,680	5,790	7,120	16,500	14,780	7,140	2,810	5,890	4,080	3,780	11
12	5,610	5,000	8,530	5,130	9,000	15,520	18,050	7,540	6,340	4,040	1,600	4,580	12
13	4,340	7,360	6,420	4,860	9,200	14,900	16,140	4,700	6,020	5,300	2,640	4,020	13
14	3,590	5,720	5,290	4,630	5,740	14,390	13,610	3,890	5,880	4,210	2,840	4,420	14
15	5,310	3,010	5,470	3,410	5,480	13,160	12,730	6,640	5,880	920	4,150	4,410	15
16	4,740	4,300	6,050	4,100	5,680	12,670	12,170	7,490	4,390	1,260	4,650	2,040	16
17	5,070	3,910	5,340	5,330	5,750	13,070	11,930	6,490	3,310	5,070	4,670	1,750	17
18	3,110	5,030	2,760	5,410	7,450	13,030	10,480	5,810	3,830	6,300	2,970	4,190	18
19	5,350	5,300	5,270	6,060	7,600	11,640	10,650	7,560	5,000	4,400	1,800	6,440	19
20	6,430	3,750	4,870	7,230	8,430	11,780	9,740	6,440	6,690	4,290	3,190	5,270	20
21	4,660	4,780	6,760	17,620	7,320	11,110	9,930	5,910	4,620	4,220	3,970	4,120	21
22	4,760	4,240	8,850	37,260	10,780	16,030	9,020	6,540	4,280	2,500	3,660	5,520	22
23	6,050	4,070	6,860	27,500	13,300	12,570	10,260	6,840	3,200	1,560	3,850	4,110	23
24	5,760	4,940	9,640	16,520	13,490	12,010	9,540	7,070	3,010	4,440	3,560	2,260	24
25	4,770	3,820	9,320	16,460	13,460	11,600	7,830	6,240	3,270	5,850	5,280	4,280	25
26	4,130	6,160	6,790	14,420	14,450	11,980	9,180	6,710	5,030	3,840	2,030	6,300	26
27	4,110	6,610	5,510	12,690	15,050	10,440	8,390	6,160	5,590	4,540	1,350	6,360	27
28	4,340	8,230	5,480	11,240	29,210	9,960	8,560	5,120	4,130	3,740	4,470	4,180	28
29	4,980	6,130	5,710	10,200	29,420	10,160	8,330	5,240	4,560	2,870	4,690	3,630	29
30	4,000	4,540	4,910	8,750		10,140	6,880 B	5,020	5,180	1,420	4,750	3,020	30
31	3,040 A		5,740	6,180		8,290		5,320		4,460	4,980		31
MEAN	4,556	4,805	6,041	8,912	9,720	15,423	11,784	6,465	4,821	3,838	3,805	3,853	MEAN
MAX.	6,430	8,230	9,640	37,260	29,420	27,810	23,410	7,670	6,900	6,300	5,390	6,440	MAX.
MIN.	3,040	3,010	2,760	3,410	5,120	8,290	6,880	3,890	2,520	920	1,350	1,450	MIN.
AC. FT.	280,400	285,940	371,470	548,000	559,130	948,370	700,620	397,530	286,890	236,020	233,990	229,290	AC. FT.

A - 25-Hour Day.
B - 23-Hour Day.

MEAN	MAXIMUM					MINIMUM					TOTAL
INFLOW	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
6,995											5,077,650

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	INFLOW	CONTENT	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
40 43 10	122 25 10	NW 15 33N 5W				NOV 1942-DATE	NOV 1942-DATE	1942		0.00	USCGS

The figures contained herein are computed inflow to Shasta Lake and take into account change in storage, release, spill, precipitation and evaporation. They are representative of the natural flow which would pass the damsite (9.5 miles north of Redding) if the dam had not been constructed. Records furnished by USBR. Drainage area, excluding Goose Lake Basin, is 6,665 square miles.

Shasta Lake has a usable capacity of 4,377,000 acre-feet between elevations 737.75 and 1065.0 feet above mean sea level. Not available for release, 115,700 acre-feet.

TABLE B-14 (Cont.)

DAILY INFLOW

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1972	A36171	INFLOW TO WHISKEYTOWN LAKE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	1,690	2,120	570	540	230	2,230	3,350	2,230	3,560	3,200	3,070	2,190	1
2	1,420	2,130	690	490	230	2,220	3,290	2,390	3,240	3,090	3,020	2,180	2
3	1,590	2,130	590	560	220	2,460	3,300	2,110	2,780	3,060	3,060	2,180	3
4	1,640	2,130	650	480	230	4,490	3,350	1,970	2,510	3,070	2,240	2,180	4
5	1,690	2,130	540	540	230	4,230	3,860	2,670	2,130	3,070	2,200	2,190	5
6	1,740	2,140	540	550	280	3,010	3,730	2,700	2,090	3,070	2,130	2,180	6
7	1,660	2,180	480	500	760	3,340	3,710	2,630	2,040	3,070	2,180	2,280	7
8	1,680	2,130	490	540	670	3,230	3,560	2,420	2,100	3,040	2,150	2,200	8
9	2,440	2,180	710	480	650	3,330	2,180	2,660	2,180	3,020	2,170	2,170	9
10	2,330	2,170	650	510	600	3,950	1,840	2,400	1,730	3,010	2,200	2,160	10
11	2,340	2,030	540	550	650	2,550	2,060	1,460	320	3,050	2,180	2,160	11
12	2,470	2,280	780	560	630	2,500	2,000	1,620	640	3,030	2,060	2,200	12
13	3,050	2,470	540	510	650	1,470	2,010	1,420	890	3,010	2,110	2,260	13
14	3,000	2,170	590	490	660	3,610	1,950	1,460	1,420	3,040	2,050	2,240	14
15	2,580	1,770	540	490	710	3,600	1,890	1,130	1,730	2,990	2,150	2,230	15
16	310	970	550	910	610	2,460	1,750	1,140	1,680	3,100	2,220	2,240	16
17	1,840	460	2,000	750	570	910	1,940	1,390	1,510	3,160	2,160	2,230	17
18	2,090	480	550	900	590	1,900	1,680	1,090	1,530	3,010	2,230	2,230	18
19	2,190	440	550	890	560	1,150	1,790	1,090	1,850	3,160	2,160	2,170	19
20	2,080	420	730	900	710	2,540	1,750	1,050	2,620	3,060	2,230	2,520	20
21	1,990	390	840	1,390	760	3,580	1,820	1,000	2,580	3,050	2,170	2,980	21
22	1,980	450	990	2,310	800	3,170	2,600	1,110	3,020	3,050	2,180	3,640	22
23	2,130	450	840	2,330	820	3,350	2,840	1,090	3,050	3,050	2,230	3,550	23
24	2,030	710	850	1,500	800	3,600	2,800	980	2,940	3,060	2,440	3,540	24
25	2,030	20	890	1,250	860	3,370	2,340	1,100	3,060	3,050	2,190	3,540	25
26	1,990	800	820	1,190	850	3,410	1,700	1,020	3,160	3,060	2,220	3,700	26
27	2,080	650	630	1,510	990	3,360	1,900	990	3,160	3,050	2,240	3,690	27
28	2,090	740	600	1,150	1,890	3,410	1,690	930	3,100	2,060	2,160	3,680	28
29	2,040	620	630	770	1,980	3,380	1,780	930	3,070	3,070	2,240	3,650	29
30	2,080	570	590	770		3,190	2,080 B	940	3,130	3,040	2,190	3,600	30
31	2,070 A		550	430		3,360		2,940		3,050	2,180		31
MEAN	2,011	1,344	694	863	696	2,979	2,418	1,615	2,294	3,029	2,271	2,665	MEAN
MAX.	3,050	2,470	2,000	2,330	1,980	4,490	3,860	2,940	3,560	3,200	3,070	3,700	MAX.
MIN.	310	20	480	430	220	910	1,680	930	320	2,060	2,050	2,160	MIN.
AC. FT.	123,820	79,990	42,670	53,040	40,050	183,200	143,710	99,290	136,500	186,250	139,600	158,600	AC. FT.

A - 25-Hour Day.
B - 23-Hour Day.

MEAN INFLOW	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
1,910											1,386,780

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	INFLOW	CONTENT	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
40 37 03	122 31 31	32N 6W				MAY 1963-DATE	MAY 1963-DATE	1963		0.00	USCGS

The figures contained herein are computed inflow to Whiskeytown Reservoir and take into account change in storage, release, spill, precipitation, and evaporation. Records furnished by USBR. Drainage area is 200 square miles.

Whiskeytown Reservoir has a usable capacity of 241,100 acre-feet between elevations 1100.0 feet and 1210.0 feet above mean sea level. Not available for release, 27,500 acre-feet.

TABLE B-14 (Cont.)

DAILY INFLOW

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1972	A71120	INFLOW TO FOLSOM LAKE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	2,050	1,970	1,970	1,890	3,440	6,260	2,920	4,260	3,190	1,950	2,250	1,300	1
2	1,730	1,840	1,880	1,350	2,930	4,980	2,310	4,350	3,360	950	2,110	1,950	2
3	1,650	1,940	2,980	2,010	2,440	6,410	2,720	4,460	3,090	870	2,270	1,290	3
4	1,500	1,750	2,900	3,090	2,220	7,430	3,220	4,610	2,660	870	2,200	800	4
5	1,680	1,900	1,360	3,300	3,980	6,630	4,570	4,720	2,300	830	2,360	730	5
6	1,680	1,810	1,680	3,100	5,570	5,800	6,130	4,560	2,760	1,670	1,750	1,960	6
7	1,510	1,070	3,160	3,260	4,210	5,380	5,330	3,640	2,590	1,550	1,900	2,100	7
8	1,660	1,350	2,920	2,810	3,930	5,200	4,050	3,180	2,530	2,330	2,580	1,760	8
9	1,660	1,370	2,730	1,770	3,840	5,530	3,430	3,950	2,720	1,000	2,190	1,680	9
10	1,690	1,090	3,010	2,060	3,670	6,260	3,410	3,980	2,990	1,120	2,260	1,260	10
11	1,750	1,560	2,420	2,920	3,460	6,470	4,400	4,110	2,280	2,210	2,500	1,520	11
12	1,800	2,450	2,020	2,660	3,370	5,110	4,580	4,150	1,870	1,740	2,290	1,660	12
13	2,170	2,000	1,860	3,020	2,770	4,820	6,110	4,350	2,740	2,050	1,830	1,990	13
14	2,160	1,520	2,250	3,130	3,100	4,970	4,330	3,740	2,850	2,440	1,960	2,110	14
15	2,240	1,690	2,420	2,730	3,050	4,840	4,290	3,410	2,430	1,820	2,080	1,950	15
16	2,240	1,780	2,470	2,310	2,760	4,860	3,810	4,200	2,740	1,310	2,170	2,320	16
17	1,940	1,270	2,280	2,660	2,930	5,190	4,740	4,270	2,530	1,150	2,330	1,160	17
18	1,740	1,300	2,250	2,960	3,150	5,460	4,710	4,080	1,980	1,830	2,340	1,420	18
19	1,680	2,130	1,420	3,140	2,590	4,540	4,540	3,890	1,560	1,850	2,870	1,670	19
20	1,520	1,180	1,440	3,060	2,380	4,380	4,010	4,010	2,340	1,690	1,660	1,600	20
21	1,590	860	2,650	3,580	2,270	4,460	3,750	2,950	2,580	1,550	1,990	1,640	21
22	1,670	1,510	4,930	3,790	3,040	4,800	3,710	2,450	2,420	1,480	2,370	1,210	22
23	1,690	1,300	6,140	6,630	3,810	4,270	2,740	3,150	1,990	780	2,310	1,720	23
24	1,210	1,250	5,460	4,820	4,400	3,700	4,010	2,910	2,160	1,060	2,230	1,810	24
25	1,140	1,380	9,180	4,790	9,160	4,060	4,510	2,900	820	2,060	2,130	2,170	25
26	1,640	1,300	5,090	4,700	7,000	3,770	3,910	3,460	1,120	2,230	2,220	2,600	26
27	1,720	1,800	4,760	4,850	5,820	3,530	3,760	3,280	1,930	2,260	1,750	2,230	27
28	1,580	1,790	4,320	4,510	5,380	3,760	4,120	2,430	1,810	2,480	2,110	1,650	28
29	1,650	1,950	2,960	4,290	7,250	3,430	4,150	2,650	2,080	2,050	2,270	1,470	29
30	1,800	2,440	3,060	3,180		3,220	3,630 B	2,900	2,380	1,100	2,770	1,590	30
31	1,130 A		2,440	3,240		3,140		3,700		1,820	2,730		31
MEAN	1,705	1,618	3,110	3,278	3,928	4,925	4,063	3,700	2,360	1,616	2,219	1,677	MEAN
MAX.	2,240	2,450	9,180	6,630	9,160	7,430	6,130	4,720	3,360	2,480	2,870	2,600	MAX.
MIN.	1,130	860	1,360	1,350	2,220	3,140	2,310	2,450	820	780	1,660	730	MIN.
AC. FT.	104,960	96,300	191,230	201,540	225,960	302,840	241,490	227,510	140,440	99,370	136,420	99,810	AC. FT.

A - 25-Hour Day.
B - 23-Hour Day.

MEAN	MAXIMUM					MINIMUM					TOTAL
INFLOW	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
2,849											2,067,870

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	INFLOW	CONTENT	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 42 29	121 09 22	NE 24 10N 7E				FEB 1955-DATE	FEB 1955-DATE	1955		0.00	USCGS

The figures contained herein are computed inflow to Folsom Reservoir and take into account change in storage, release, spill, precipitation, and evaporation. They are representative of the natural flow which would pass the damsite (2.3 miles northeast of Folsom) if the dam had not been constructed. Records furnished by USBR. Drainage area is 1,861 square miles (Revised).

TABLE B-15
GAGING STATION
ADDITIONS AND DISCONTINUATIONS

ADDITIONAL STATIONS

Duck Creek near Stockton	10- 1-71
Georgiana Slough at Mokelumne River	7- 1-72
Little Potato Slough at Terminous	3- 1-72
Squirrel Creek near Penn Valley	2- 1-72

DISCONTINUED STATIONS

State Pumping Plant No. 2 Drainage to Sutter Bypass	9-30-71
Sutter Bypass at Long Bridge	9-30-71
Sutter Bypass at State Pumping Plant No. 2	9-30-71

PUBLICATIONS DISCONTINUED

(Stage table only. Peak stage and discharge shown in Table B-10.)

American River at Fair Oaks	9-30-71
Bear River near Wheatland	9-30-71
Butte Slough near Meridian	9-30-71
Cache Creek at Yolo	9-30-71
Cherokee Canal near Richvale	9-30-71
Colusa Basin Drain at Highway 20	9-30-71
Colusa Basin Drain at Knights Landing	9-30-71
Cosumnes River at McConnell	9-30-71
Cosumnes River at Michigan Bar	9-30-71
Mokelumne River at Woodbridge	9-30-71
Putah Creek near Winters	9-30-71
Sacramento River at Butte City	9-30-71
Sacramento River at Colusa	9-30-71
Sacramento River at Hamilton City	9-30-71
Sacramento River at Keswick	9-30-71
Sacramento River at Knights Landing	9-30-71
Sacramento River at Ord Ferry	9-30-71
Sacramento River above Bend Bridge, near Red Bluff	9-30-71
Sacramento River at Vina-Bridge	9-30-71
Sacramento River below Wilkins Slough	9-30-71
Wadsworth Canal near Sutter	9-30-71
Yolo Bypass near Woodland	9-30-71
Yuba River near Sutter	9-30-71

PUBLISHED DATA FROM PRIOR YEARS

None

TABLE B-16

CORRECTIONS AND REVISIONS TO
PREVIOUSLY PUBLISHED REPORTS

Corrections and revisions pertain to bulletins of surface water flows published from 1924 to date. These publications are:

Report 1. "Report of Sacramento-San Joaquin Water Supervision". Published from 1924 through 1955.

Report 2. Bulletin No. 23, "Surface Water Flow". Published from 1956 through 1962.

Report 3. "Flood Flows and Stages in Sacramento and Northern San Joaquin Valleys". Published from 1913 through 1956.

Report 4. Bulletin No. 130, "Hydrologic Data: Volume II, Northeastern California". Published from 1963 to date.

Corrections and revisions to surface water data made prior to publication of Bulletin No. 130-68, "Hydrologic Data: Volume II, Northeastern California", are in Bulletin No. 130-67. This report contains corrections made since publication of Bulletin No. 130-67.

TABLE B-16

CORRECTIONS AND REVISIONS TO PREVIOUSLY PUBLISHED REPORTS OF SURFACE WATER DATA

Location of Error or Revision						Change or Revision	
Report	Page	Mile & Bank	Name	Item		From	To
				1965			
4	286		Mokelumne River near Thornton	Datum of Gage		1964, -3.00 USCGS	1964, 0.00 USCGS
				1966			
4	151		Sacramento River, Sacramento to Redding	Total Diversions	October	28,490	66,118
					November	4,263	17,939
					December	2,860	6,887
					January	1,585	1,772
					February	1,468	1,592
					March	2,870	7,856
					April	149,695	302,010
					May	211,918	378,193
					June	207,730	353,650
					July	191,624	350,907
					August	172,832	313,752
					September	66,143	119,869
					TOTAL	104,148	1,920,545
				Average cubic feet per second	October	463	1,075
					November	72	301
					December	46	112
					January	26	29
					February	27	29
					March	47	128
					April	2,516	5,076
					May	3,446	6,151
					June	3,401	5,943
					July	3,116	5,707
					August	2,811	5,103
					September	1,112	2,015
					TOTAL	1,439	2,653
				Monthly use in percent of seasonal	October	2.7	3.4
					November	0.4	0.9
					December	0.3	0.4
					January	0.2	0.1
					February	0.1	0.1
					March	0.3	0.4
					April	14.4	15.7
					May	20.3	19.7
					June	19.9	18.4
					July	18.4	18.3
					August	16.6	16.4
					September	6.4	6.2
4	245, 246		Sacramento River at Collinsville	Datum of Gage			Datum of Gage
							Period From / To / Zero on Gage / Ref. Datum
							1929 / / 0.00 / USED
							/ / -3.05 / USCGS
							/ 1964 / -3.54 / USCGS
							1964 / / -3.00 / USCGS
				1967			
4	158		Cache Creek above Rumsey	Maximum Discharge of Record	Discharge	26,700 E cfs	30,000 cfs
					Gage Height	18.30 E	16.90
					Date	1-31-1963	1-21-1967
4	162		Putah Creek above Davis	Monthly Mean Discharge	March	41,047 cfs	1,324 cfs
4	171		Duck Creek near Stockton	Discharge Data		Table Revised - Published	Page 155 - 1968 Report
4	177		Bear Creek near Lodi	Maximum Discharge of Record	Discharge	670 cfs	4,550 cfs
					Gage Height	3.35	8.33
					Date	1-30-1966	1-22-1967
4	264		Mokelumne River near Thornton	Datum of Gage		1964, -3.00 USCGS	1964, 0.00, USCGS
4	296		Sacramento River at Collinsville	Datum of Gage			Datum of Gage
							Period From / To / Zero on Gage / Ref. Datum
							1929 / / 0.00 / USED
							/ / -3.05 / USCGS
							/ 1964 / -3.54 / USCGS
							1964 / / -3.00 / USCGS
4	296		Sacramento River at Collinsville	Daily Maximum and Minimum Tides			Notation: In order to machine process the data, it was necessary to avoid negative gage heights. Subtract 10.00 feet to obtain gage heights.

TABLE B-16 (Cont.)

CORRECTIONS AND REVISIONS TO PREVIOUSLY PUBLISHED REPORTS OF SURFACE WATER DATA

Location of Error or Revision						Change or Revision	
Report	Page	Mile & Bank	Name	Item		From	To
				1967 (Cont.)			
4	312		Suisun Bay at Benicia	Daily Maximum and Minimum Tides			Notation: In order to machine process the data, it was necessary to avoid negative gage heights. Subtract 10.00 feet to obtain gage heights.
				1968			
4	54		Clover Creek Bypass near Upper Lake	Number Change		A89140	A81940
4	55, 61, 68		Grindstone Creek near Elk Creek	Number Change		A31300	A31302
4	94		Grindstone Creek near Elk Creek	Number Change		A31395	A31302
4	55, 63, 73		Kellogg Creek near Byron	Number Change		B95295	B89200
4	70		Fremont Weir Spill to Yolo Bypass	Map Plotting			To be located approximately midway between A02160 and A02170.
4	79		Willow Creek near Litchfield	Date of Discontinuance		9-30-68	9-30-67
4	87		Red Bank Creek near Red Bluff	Station Location		Station located at Red Bank Road Bridge, 11 miles southwest of Red Bluff.	Station located at Briggs Road Bridge, 11 miles southwest of Red Bluff.
4	142		Cache Creek above Rumsey	Maximum Discharge of Record	Discharge Gage Height Date	26,700 E cfs 18.30 E 1-31-1963	30,000 cfs 16.90 1-21-1967
4	155, 156		Duck Creek near Stockton	Maximum Discharge of Record	Discharge Gage Height Date	400 cfs 5.75 12-24-1955	635 cfs 5.96 1-30-1967
4	161		Bear Creek near Lodi	Maximum Discharge of Record	Discharge Gage Height Date	670 cfs 3.35 1-30-1966	4,550 cfs 8.33 1-22-1967
4	198	11.0R	Hallwood Irrigation Company	Diversions	December January April May June July August September TOTAL	13,503 2,530 17,650 32,730 29,734 29,880 28,060 15,160 169,334	4,863 1,140 10,950 19,600 17,210 17,540 16,120 9,880 97,390
4	239		Sutter Bypass at Long Bridge	Station Location		Station located on west levee, 0.2 mile north of State Highway 20, 319 miles east of Meridian.	Station located on west levee, 0.2 miie north of State Highway 20, 3.9 miles east of Meridien.
4	247		Feather River near Gridley	Daily Mean Gage Height			Notation: In order to machine process the data, it was necessary to avoid gage heights above 99.99 feet. For values at reference datum, add 50 feet to gage height readings.
4	256		Sacramento River at Sacramento	Daily Mean Gage Height	February 28 February 29	20.74 20.74	20.90 20.92
				1969			
4	128		Cache Creek above Rumsey	Maximum Discharge of Record	Discharge Gage Height Date	26,700 E cfs 18.30 E 1-31-1963	30,000 cfs 16.90 1-21-1967
4	136		French Camp Slough near French Camp	Total Acre-Feet Total Acre-Feet Mean Discharge	May Year Year	28,820 191,200 232 cfs	2,882 165,200 228 cfs
4	138		Duck Creek near Stockton	Maximum Discharge of Record	Discharge Gage Height Date	477 cfs 5.49 1-25-1969	635 cfs 5.96 1-30-1967
4	142		Bear Creek near Lodi	Maximum Discharge of Record	Discharge Gage Height Date	1,870 cfs 5.32 1-13-1969	4,550 cfs 8.33 1-22-1967

TABLE B-16 (Cont.)

CORRECTIONS AND REVISIONS TO PREVIOUSLY PUBLISHED REPORTS OF SURFACE WATER DATA

Location of Error or Revision						Change or Revision	
Report	Page	Mile & Bank	Name	Item		From	To
				1969 (Cont.)			
4	154		Bidwell Creek near Fort Bidwell	Daily Mean Discharge	May 10, 1969	163	145
					May 11, 1969	188	160
					May 12, 1969	247	184
					May 13, 1969	208	172
					May 14, 1969	175	157
					MONTHLY TOTAL	7,246 Acre-Feet	6,922 Acre-Feet
					WATER YEAR TOTAL	18,360 Acre-Feet	18,040 Acre-Feet
4	225		Feather River near Gridley	Daily Mean Gage Height			Notation: In order to machine process the data, it was necessary to avoid gage heights above 99.99 feet. For values at reference datum, add 50 feet to gage height readings.
				1970			
4	67		Burney Creek near Burney	Daily Mean Discharge	June 18, 1970	25	24
					June 19, 1970	23	21
					June 20, 1970	21	17
					June 21, 1970	28	23
					June 22, 1970	28	21
					June 23, 1970	25	17
					June 24, 1970	20	11
					June 25, 1970	29	17
					June 26, 1970	32	19
					June 27, 1970	35	20
					June 28, 1970	45	36
					June 29, 1970	7.0	37
					June 30, 1970	3.7	23
					MONTHLY TOTAL	1,388 Acre-Feet	1,317 Acre-Feet
					July 1, 1970	3.7	21
					July 2, 1970	3.7	18
					July 3, 1970	3.7	17
					July 4, 1970	3.7	15
					July 5, 1970	3.7	12
					July 6, 1970	3.7	12
					July 7, 1970	3.7	12
					July 8, 1970	3.7	17
					July 9, 1970	3.7	18
					July 10, 1970	3.7	17
					July 11, 1970	3.7	14
					July 12, 1970	3.7	13
					July 13, 1970	3.7	13
					July 14, 1970	3.8	12
					July 15, 1970	3.8	12
					July 16, 1970	6.5	15
					July 17, 1970	11	19
					July 18, 1970	12	19
					July 19, 1970	15	20
					July 20, 1970	18	22
					July 21, 1970	15	17
					July 22, 1970	13	14
					MONTHLY TOTAL	522 Acre-Feet	923 Acre-Feet
					WATER YEAR TOTAL	93,107 Acre-Feet	93,438 Acre-Feet
4	130		Duck Creek near Stockton	Maximum Discharge of Record	Discharge	477 cfs	635 cfs
					Gage Height	5.49	5.96
					Date	1-25-1969	1-30-1967
4	134		Bear Creek near Lodi	Maximum Discharge of Record	Discharge	3,300 cfs	4,550 cfs
					Gage Height	7.11	8.33
					Date	1-14-1970	1-22-1967
4	137		Dry Creek near Ione	Monthly Total December	Mean		39.2
					Maximum		219
					Minimum		3.9
					Acre-Feet		2,408
				Yearly Mean	cfs	46.1	45.5
				Yearly Total	Acre-Feet	30,531	32,940
4	148		Bidwell Creek near Fort Bidwell	Daily Mean Discharge	Jan. 22, 1970	196	136
					Jan. 23, 1970	172	124
					Jan. 24, 1970	168	124
					MONTHLY TOTAL	2,050 Acre-Feet	1,749 Acre-Feet
					WATER YEAR TOTAL	16,521 Acre-Feet	16,220 Acre-Feet
4	208		Feather River near Gridley	Daily Mean Gage Height			Notation: In order to machine process the data, it was necessary to avoid gage heights above 99.99 feet. For values at reference datum, add 50 feet to gage height readings.

Appendix C

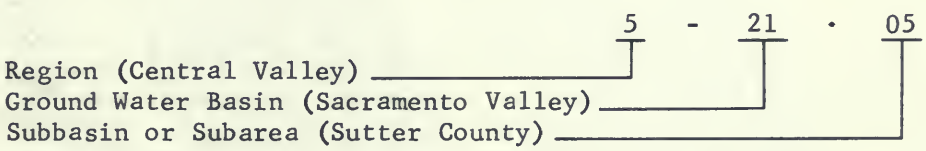
GROUND WATER MEASUREMENTS

This appendix contains summary and selected information concerning the level of ground water within 37 ground water basins or areas in Northeastern California. Wells are selected to reflect the ground water conditions of the area. These wells are continuously reviewed and, when conditions dictate, replacement wells are located and measured.

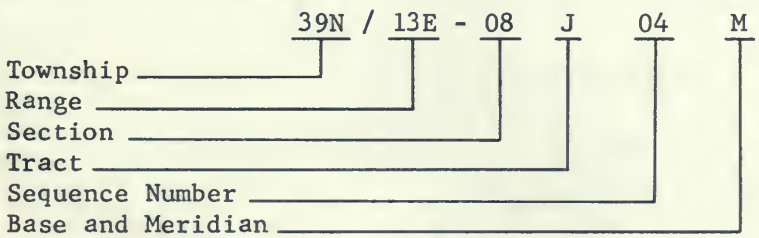
The tabulation of individual measurements of ground water levels at wells has been eliminated from this report. The data collected by the Department will be available at the various district offices of the Department. Please see the introduction at the front of this volume for the addresses of these district offices.

Table C-1 shows the average change in ground water levels for the various basins in Northeastern California from spring 1971 to spring 1972. This table also shows the number of well measurements collected in the various areas. Figure C-2 contains graphical presentations of the average levels of ground water in the spring for the past several years. Figure C-3 is a graphical representation of the fluctuation of ground water level in certain selected wells for the past several years. An attempt has been made to select wells that represent conditions in the basin where the well is located. However, some caution in the use of these data is in order because ground water conditions can vary markedly with relatively small changes in horizontal location.

Two numbering systems are used by the Department to facilitate processing of water level measurement data. The two systems are the Region and Basin Designation and the State Well Numbering System. The regions used in Bulletin No. 130 are geographic areas defined in Section 13200 of the Water Code. This volume comprises the northern portions of Central Valley Region No. 5 and Lahontan Region No. 6. A decimal system of the form 0-00.00 has been selected according to geographic regions, ground water basins, and subbasins or subareas as follows:



The State Well Numbering System is based on township, range, and section subdivisions of the public land survey. The number of a well, assigned in accordance with this system, is referred to as the State Well Number, as illustrated below on the left.



D	C	B	A
E	F	G	H
M	L	K	J
N	P	Q	R

This number identifies and locates the well. In the example, the well is in Township 39 North, Range 13 East, Tract J of Section 8, referenced to the Mount Diablo Base and Meridian. A section is divided into 40-acre tracts as shown above on the right. Sequence numbers in a tract are generally assigned in chronological order. The example designates the fourth well to be assigned a number in Tract J.

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5-04.00	Big Valley	210
5-36.00	Round Valley	210
5-05.00	Fall River Valley	210
5-06.00	Redding Basin	210, 212
5-11.00	Mohawk Valley	210
5-12.00	Sierra Valley	210
5-13.00	Upper Lake Valley	210
5-14.00	Scott Valley	210
5-15.00	Kelseyville Valley	210
5-31.00	Long Valley	
5-16.00	High Valley	210
5-17.00	Burns Valley	210
5-30.00	Lower Lake Area	210
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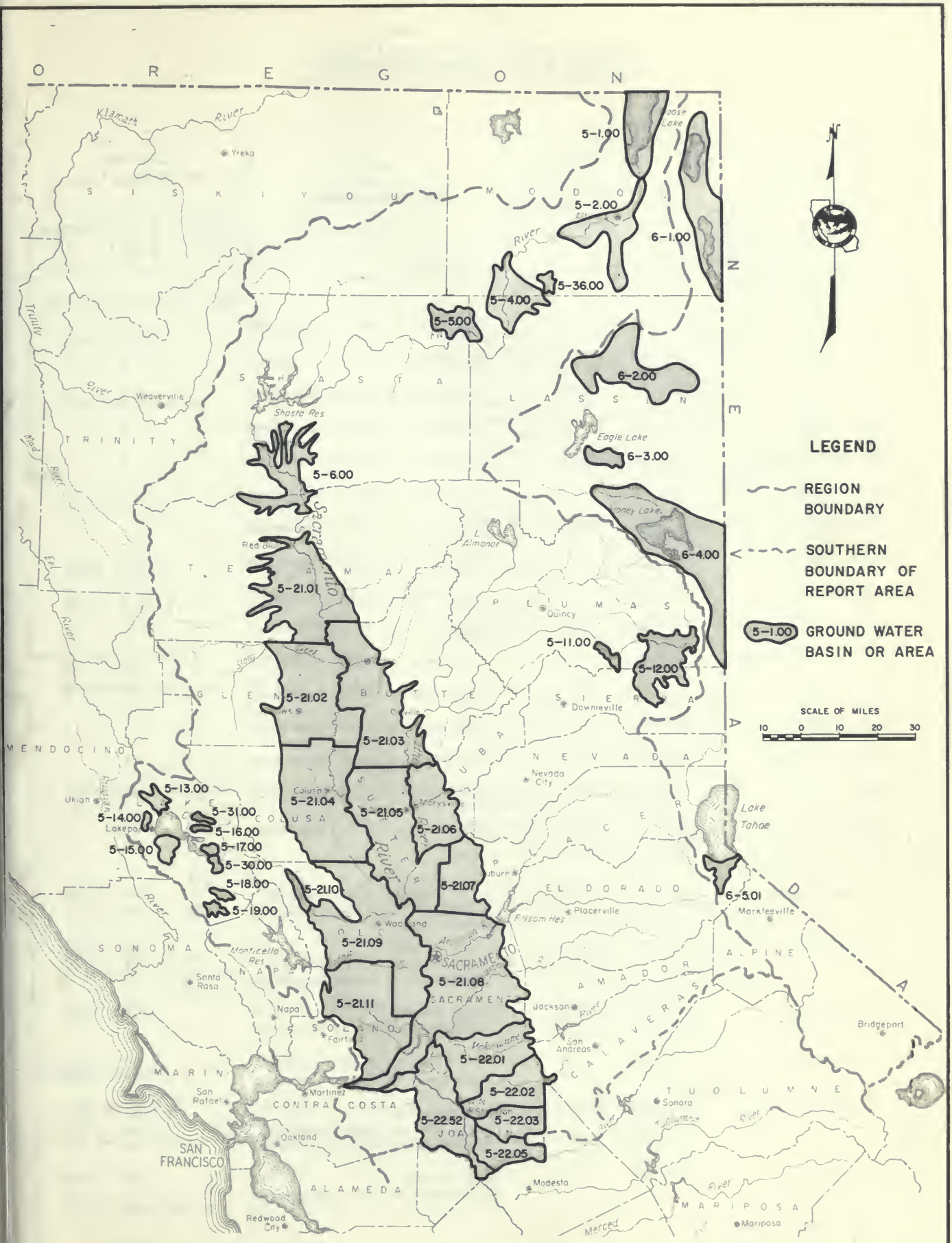
6-01.00	Surprise Valley	211
6-02.00	Madeline Plains	
6-04.00	Honey Lake Valley	211
6-05.00	Tahoe Valley	
6-05.01	South Tahoe Valley	



GROUND WATER BASINS IN NORTHEASTERN CALIFORNIA

TABLE C-1

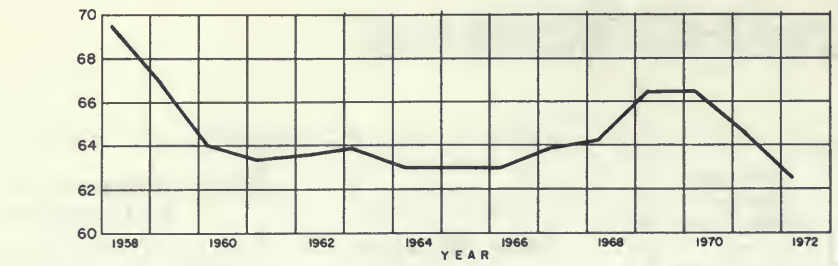
AVERAGE CHANGE OF GROUND WATER LEVELS
AND SUMMARY OF WELL MEASUREMENTS REPORTED

Ground Water Basin or Area		Average Change Spring 1971 to Spring 1972 in feet	Measuring Agency	Number of Wells Reported		
Name	Number			Monthly 1971-72	Fall 1971	Spring 1972
CENTRAL VALLEY REGION						
Goose Lake Valley	5-01.00	-0.3	Department of Water Resources		2	2
Alturas Basin	5-02.00	-1.1	Department of Water Resources		6	6
Big Valley	5-04.00	-0.4	Department of Water Resources		4	4
Round Valley	5-36.00		Department of Water Resources		2	
Fall River Valley	5-05.00	-0.2	Department of Water Resources		3	3
Redding Basin	5-06.00	-1.5	Department of Water Resources	9	1	1
Mohawk Valley	5-11.00	+0.2	Department of Water Resources		1	1
Sierra Valley	5-12.00	-0.6	Department of Water Resources		25	25
Upper Lake Valley	5-13.00	-1.1	Department of Water Resources		5	5
Scott Valley	5-14.00	-0.4	Department of Water Resources		1	1
Kelseyville Valley	5-15.00	-2.4	Department of Water Resources		11	11
High Valley	5-16.00	-0.8	Department of Water Resources		2	2
Burns Valley	5-17.00	-2.6	Department of Water Resources		1	1
Lower Lake Area	5-30.00	-1.7	Department of Water Resources		1	1
Coyote Valley	5-18.00	+0.1	Department of Water Resources		1	1
Callayomi Valley	5-19.00	+0.3	Department of Water Resources		2	2
Sacramento Valley	5-21.00					
Tehama County	5-21.01	-2.2	U. S. Bureau of Reclamation		5	5
			Department of Water Resources	16	57	57
Glenn County	5-21.02	-3.4	Glenn County		112	112
			U. S. Bureau of Reclamation		24	24
			Department of Water Resources	13		
Butte County	5-21.03	+1.2	Butte County		123	123
			Department of Water Resources	16		
Colusa County	5-21.04	-2.0	U. S. Bureau of Reclamation		28	28
			Department of Water Resources	8	37	37
Sutter County	5-21.05	-1.7	Sutter County		106	105
			South Sutter Water District		26	24
			Department of Water Resources		22	25
Yuba County	5-21.06	-2.3	Yuba County		66	67
			Department of Water Resources	1	26	27

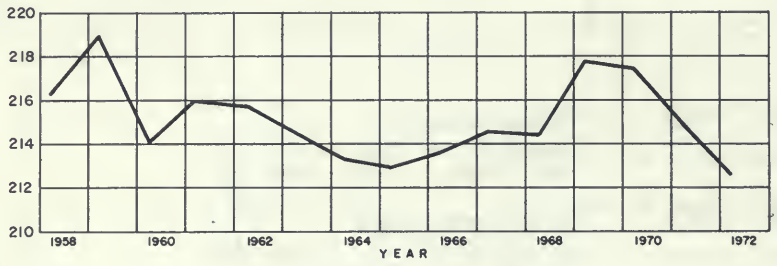
TABLE C-1 (Continued)

AVERAGE CHANGE OF GROUND WATER LEVELS
AND SUMMARY OF WELL MEASUREMENTS REPORTED

Ground Water Basin or Area		Average Change Spring 1971 to Spring 1972	Measuring Agency	Number of Wells Reported		
Name	Number			Monthly 1971-72	Fall 1971	Spring 1972
Sacramento Valley (Continued)						
Placer County	5-21.07	0.0	Placer County		72	66
			South Sutter Water District		2	2
			Department of Water Resources	7	7	8
Sacramento County	5-21.08	-2.2	Sacramento County		94	92
			Sacramento Muni. Utility Dist.		18	18
			Arcade Water District		27	39
			U. S. Bureau of Reclamation		90	89
			Department of Water Resources	18	63	69
Yolo County	5-21.09	-4.0	Yolo County		166	163
			U. S. Bureau of Reclamation		84	84
			Department of Water Resources	12	26	33
Capay Valley	5-21.10	-2.6	Yolo County		21	21
Solano County	5-21.11	-2.3	Solano County		27	25
			U. S. Bureau of Reclamation		98	97
			Department of Water Resources	12	21	21
San Joaquin Valley	5-22.00					
Mokelumne River Area	5-22.01	-3.1	San Joaquin County		92	92
			California Water Service Company		4	4
			East Bay Municipal Utility Dist.	1	63	63
			U. S. Bureau of Reclamation		4	4
			Department of Water Resources	1	43	47
Calaveras River Area	5-22.02	-2.5	San Joaquin County		83	82
			California Water Service Company		19	19
			East Bay Municipal Utility Dist.		3	3
			Stockton & East San Joaquin WCD		36	36
			Department of Water Resources	3	36	34
Farmington-Collegeville Area	5-22.03	-2.6	San Joaquin County		55	55
			Stockton & East San Joaquin WCD		1	1
			Department of Water Resources	1	16	17
South San Joaquin Irrigation District	5-22.05	-1.6	San Joaquin County		2	1
			Department of Water Resources		31	31
Delta Area	5-22.52	-2.8	San Joaquin County		2	2
			Department of Water Resources	1	14	15
LAHONTAN REGION						
Surprise Valley	6-01.00	+4.6	Department of Water Resources	11		
Honey Lake Valley	6-04.00	-0.5	Department of Water Resources	15		
Tahoe Valley	6-05.00					
South Tahoe Valley	6-05.01					
TOTAL				145	2020	2033

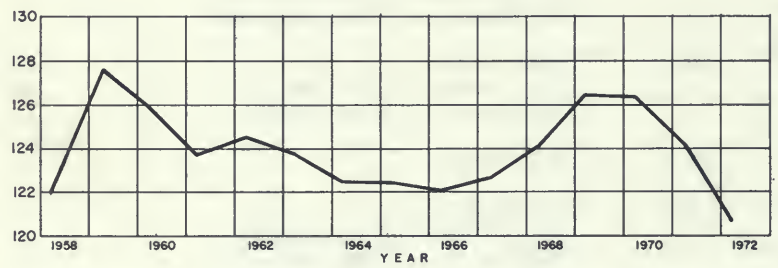


SACRAMENTO VALLEY AREA
5 - 21.00
AVERAGE GROUND SURFACE
ELEVATION 96'

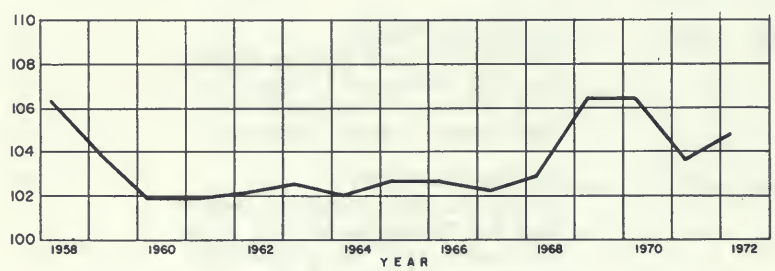


TEHAMA COUNTY AREA
5 - 21.01
AVERAGE GROUND SURFACE
ELEVATION 248'

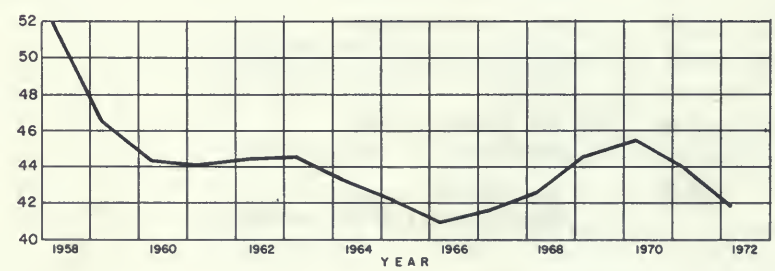
ELEVATION IN FEET - U.S.C. & G.S. DATUM



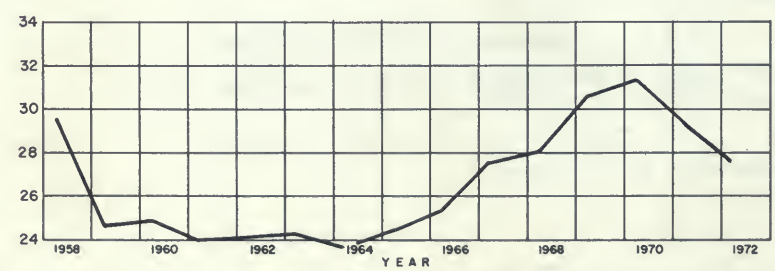
GLENN COUNTY AREA
5 - 21.02
AVERAGE GROUND SURFACE
ELEVATION 140'



BUTTE COUNTY AREA
5 - 21.03
AVERAGE GROUND SURFACE
ELEVATION 126'

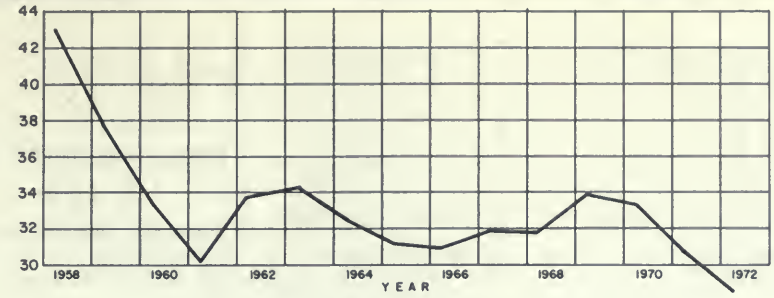


COLUSA COUNTY AREA
5 - 21.04
AVERAGE GROUND SURFACE
ELEVATION 75'

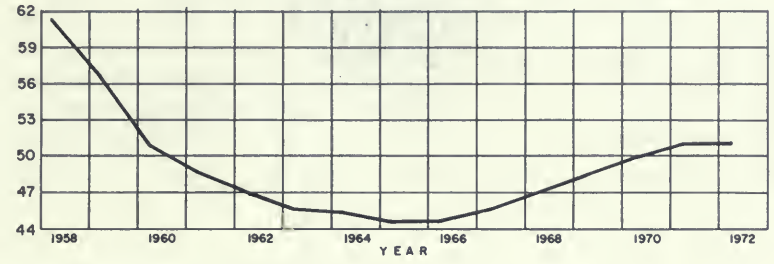


SUTTER COUNTY AREA
5 - 21.05
AVERAGE GROUND SURFACE
ELEVATION 42'

FLUCTUATION OF AVERAGE GROUND WATER LEVEL IN SELECTED AREAS

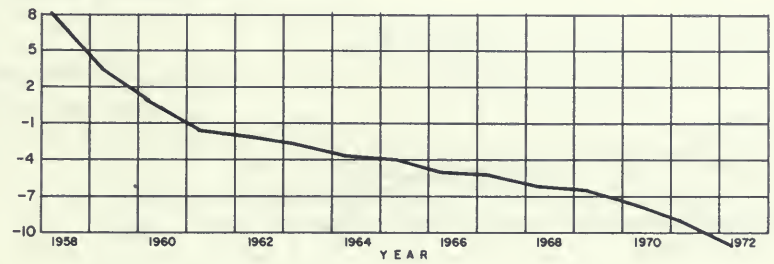


YUBA COUNTY AREA
5-21.06
AVERAGE GROUND SURFACE
ELEVATION 70'

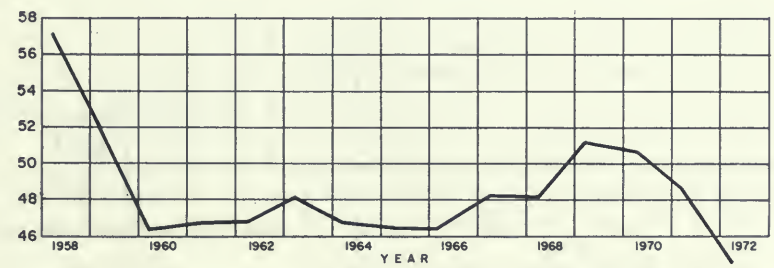


PLACER COUNTY AREA
5-21.07
AVERAGE GROUND SURFACE
ELEVATION 100'

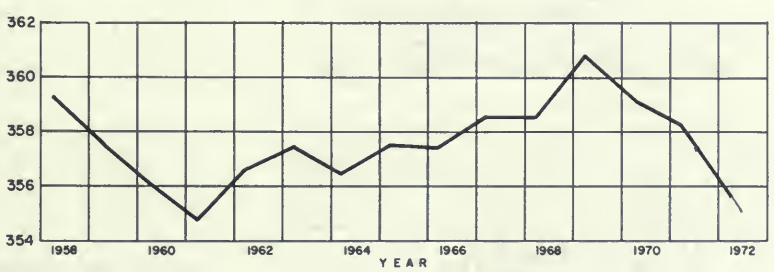
ELEVATION IN FEET - U.S.C. & G.S. DATUM



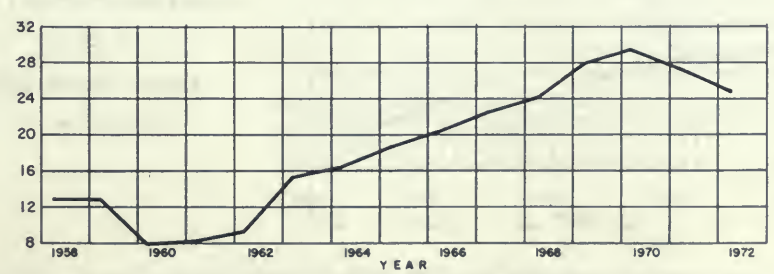
SACRAMENTO COUNTY AREA
5-21.08
AVERAGE GROUND SURFACE
ELEVATION 52'



YOLO COUNTY AREA
5-21.09
AVERAGE GROUND SURFACE
ELEVATION 79'

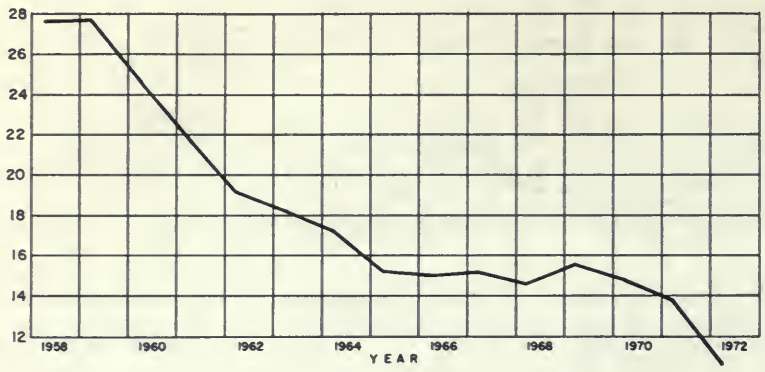


CAPAY VALLEY AREA
5-21.10
AVERAGE GROUND SURFACE
ELEVATION 380'

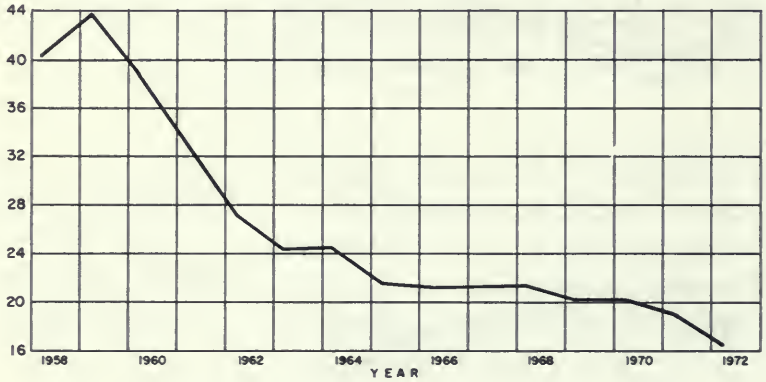


SOLANO COUNTY AREA
5-21.11
AVERAGE GROUND SURFACE
ELEVATION 55'

FLUCTUATION OF AVERAGE GROUND WATER LEVEL IN SELECTED AREAS

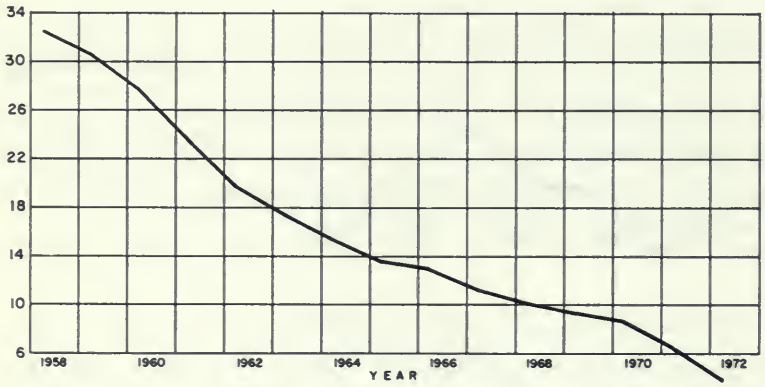


MOKELUMNE RIVER AREA
5-22.01
AVERAGE GROUND SURFACE
ELEVATION 73'

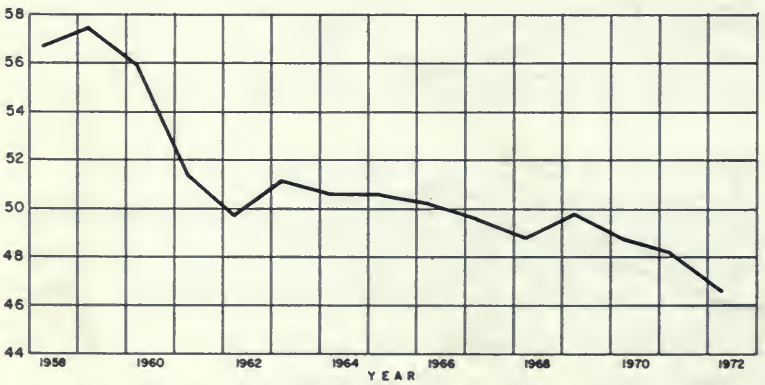


CALAVERAS RIVER AREA
5-22.02
AVERAGE GROUND SURFACE
ELEVATION 97'

ELEVATION IN FEET - U.S.C. & G.S. DATUM



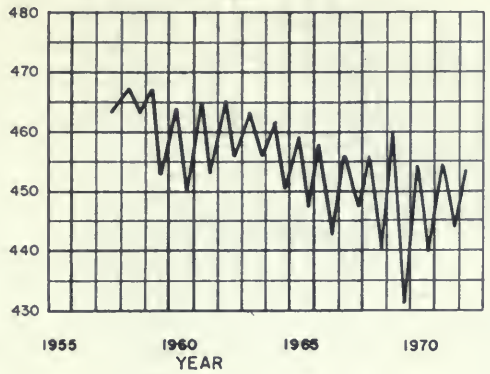
FARMINGTON - COLLEGEVILLE
AREA
5-22.03
AVERAGE GROUND SURFACE
ELEVATION 78'



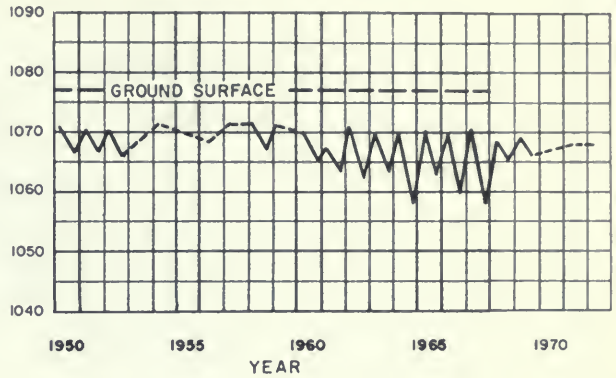
SOUTH SAN JOAQUIN
IRRIGATION DISTRICT AREA
5-22.05
AVERAGE GROUND SURFACE
ELEVATION 69'

FLUCTUATION OF AVERAGE GROUND WATER LEVEL IN SELECTED AREAS

REDDING BASIN (5-6.00)
SHASTA COUNTY
WELL 29N/5W-11A2, M.D.B.&M.
GROUND SURFACE ELEVATION 512'

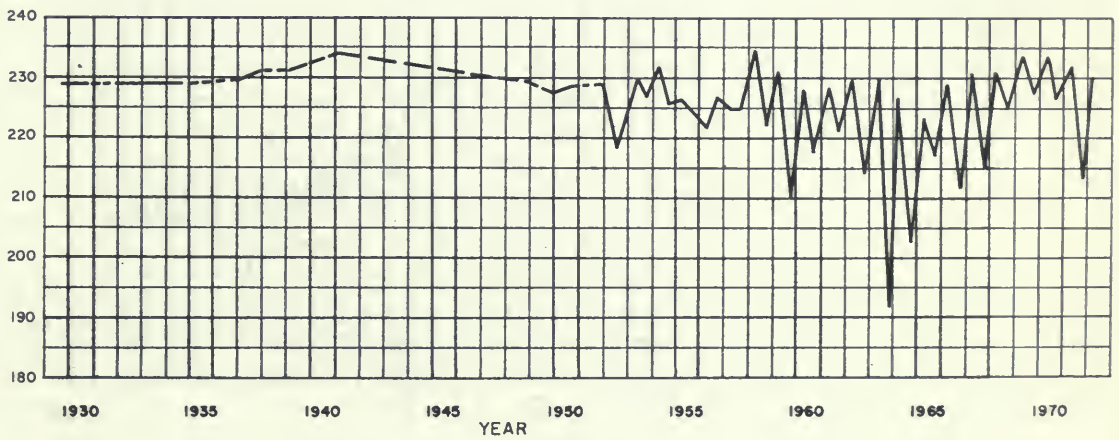


COLLAYOMI VALLEY (5-19.00)
LAKE COUNTY
WELL 11N/7W-35E1, M.D.B.&M.
GROUND SURFACE ELEVATION 1077'

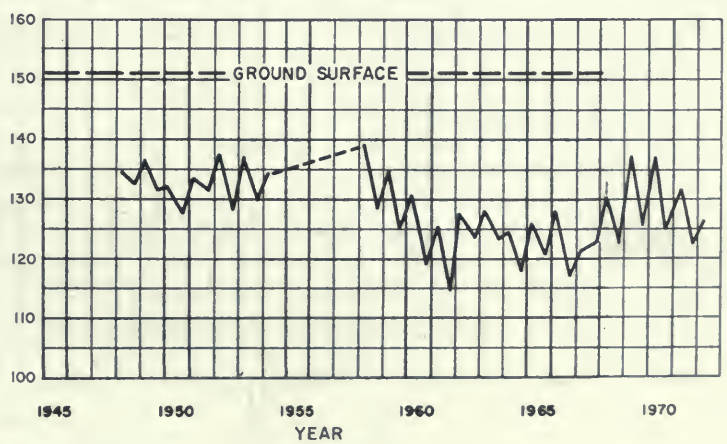


ELEVATION IN FEET — USC&GS DATUM

SACRAMENTO VALLEY (5-21.00)
TEHAMA COUNTY (5-21.01)
WELL 26N/3W-4K1, M.D.B.&M.
GROUND SURFACE ELEVATION 295'



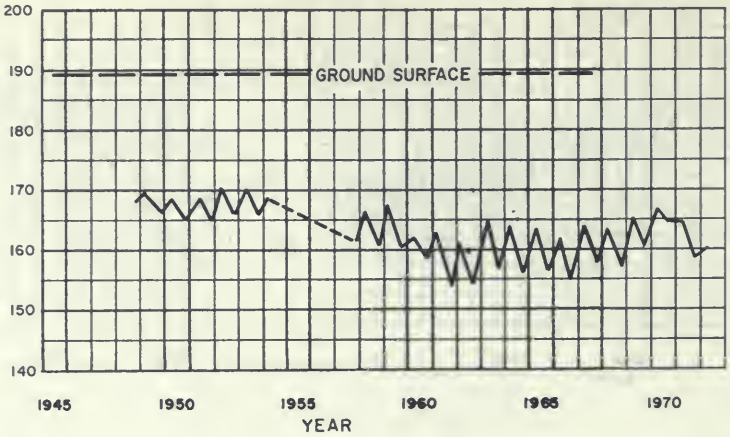
SACRAMENTO VALLEY (5-21.00)
GLENN COUNTY (5-21.02)
WELL 21N/2W-28M1, M.D.B.&M.
GROUND SURFACE ELEVATION 151'



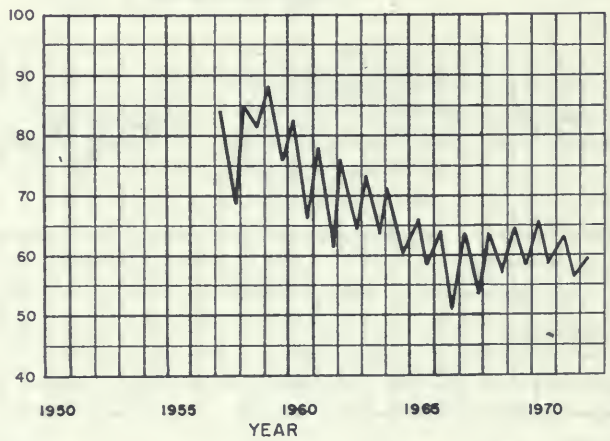
-----CONNECTS MEASUREMENTS MADE AT INTERVALS OF A YEAR OR MORE

FLUCTUATION OF WATER LEVEL IN WELLS

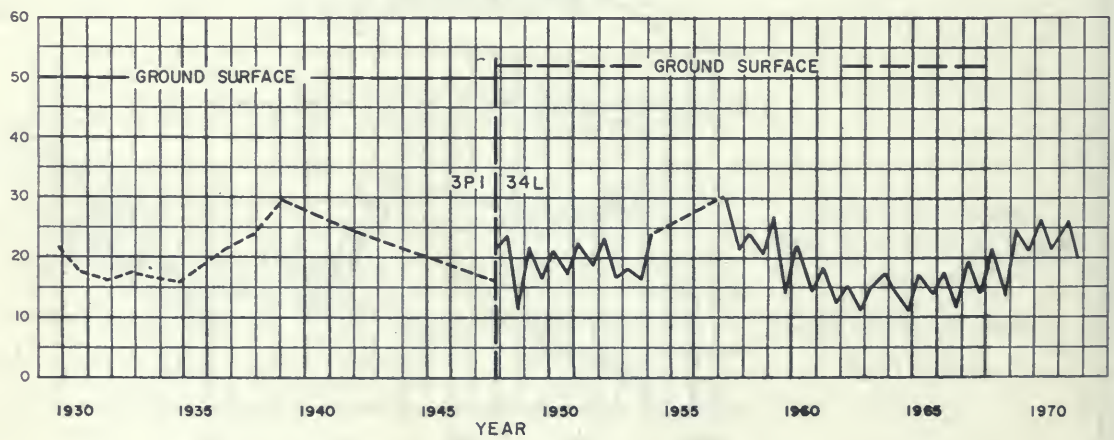
SACRAMENTO VALLEY (5-21.00)
BUTTE COUNTY (5-21.03)
WELL 23N/1W-14R1, M.D.B.&M.
GROUND SURFACE ELEVATION 189'



SACRAMENTO VALLEY (5-21.00)
COLUSA COUNTY (5-21.04)
WELL 14N/2W-16N2, M.D.B.&M.
GROUND SURFACE ELEVATION 118'



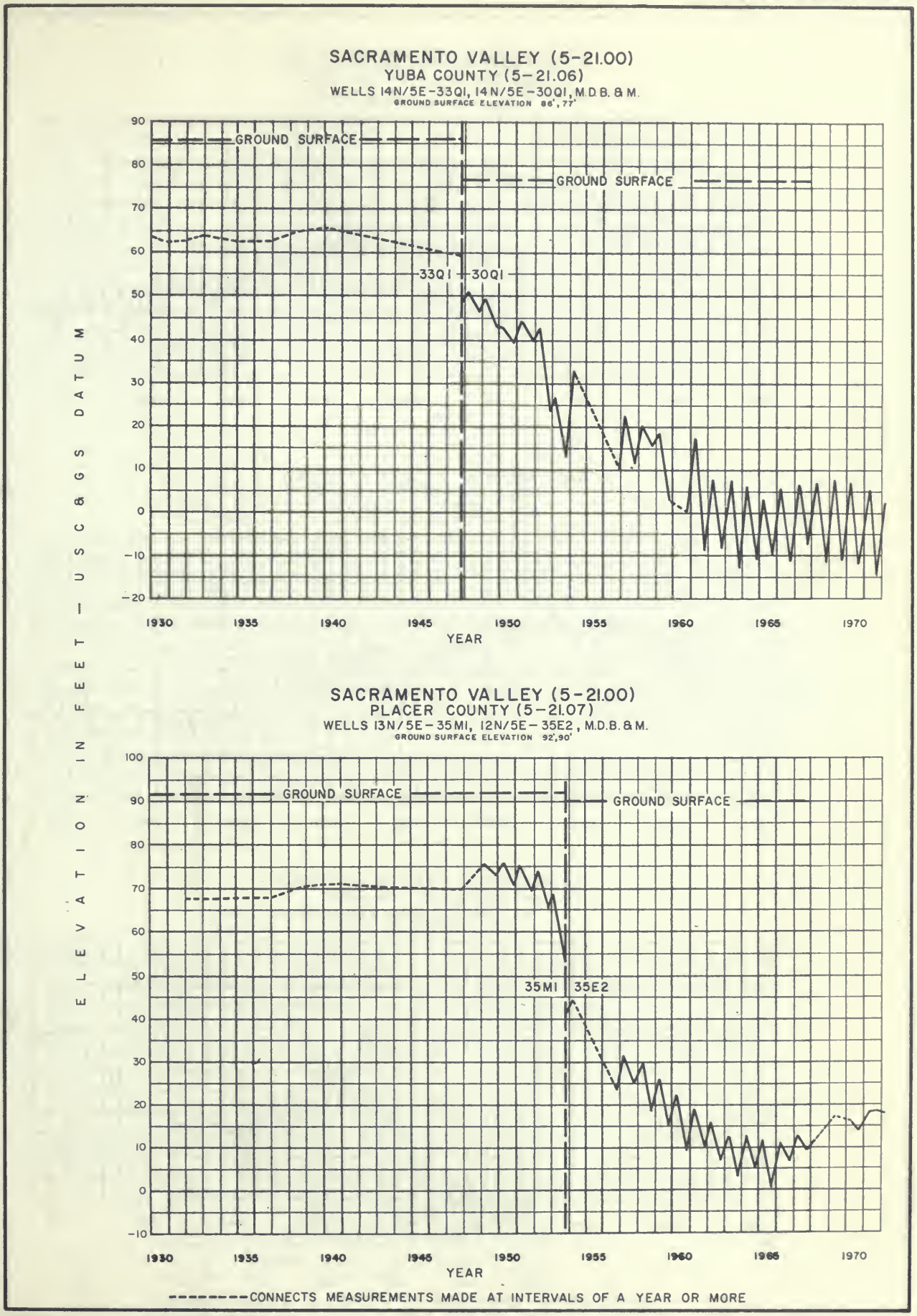
SACRAMENTO VALLEY (5-21.00)
SUTTER COUNTY (5-21.05)
WELLS 14N/3E-3P1, 15N/3E-34L1, M.D.B.&M.
GROUND SURFACE ELEVATION 50',52'



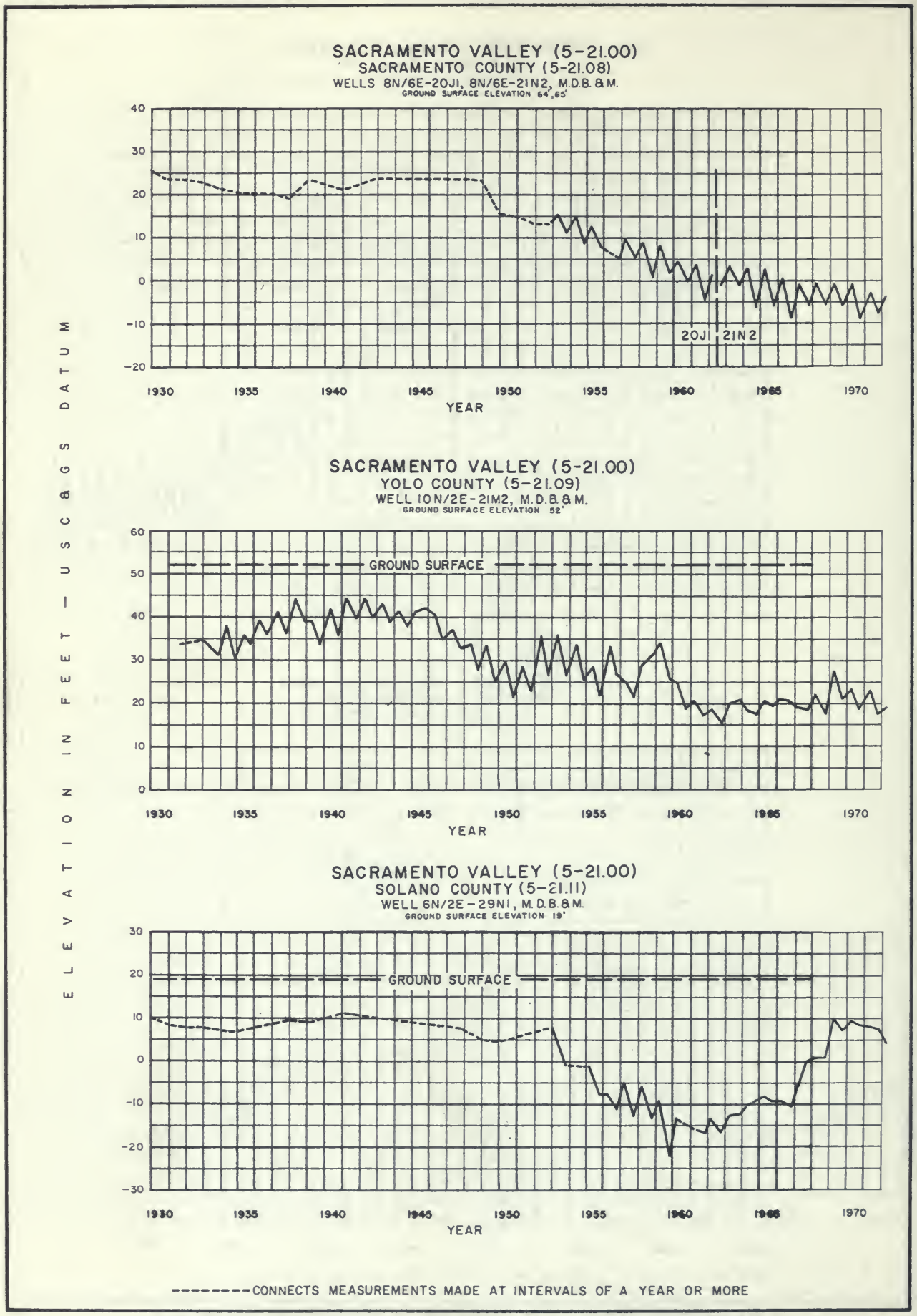
ELEVATION IN FEET — USC&GS DATUM

--------CONNECTS MEASUREMENTS MADE AT INTERVALS OF A YEAR OR MORE

FLUCTUATION OF WATER LEVEL IN WELLS

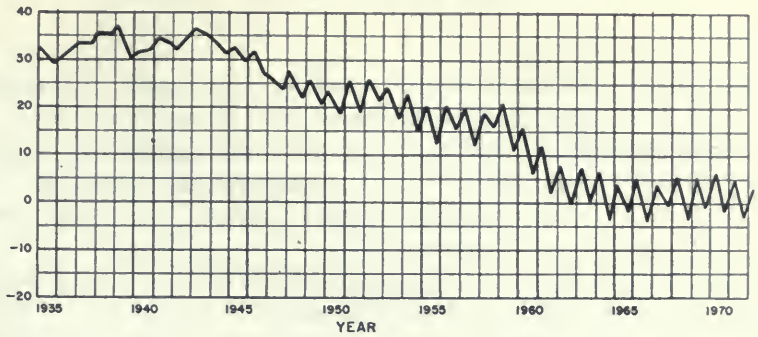


FLUCTUATION OF WATER LEVEL IN WELLS

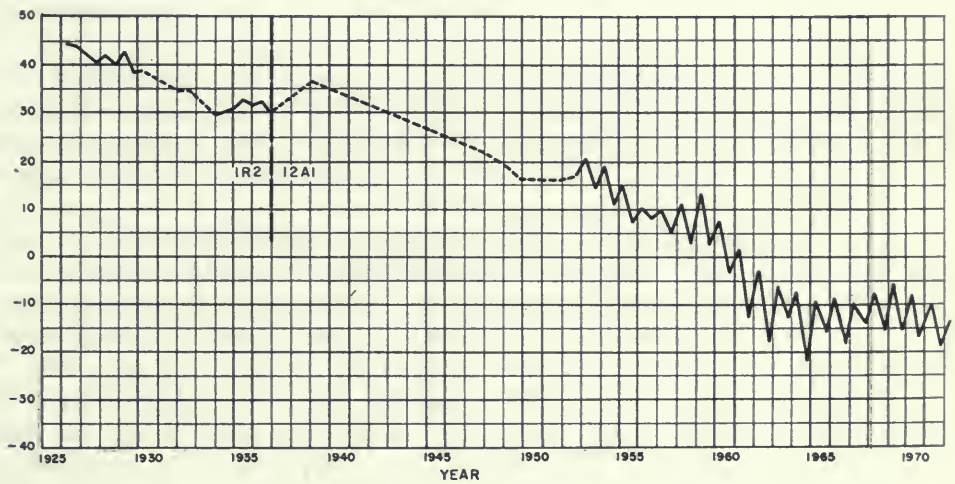


FLUCTUATION OF WATER LEVEL IN WELLS

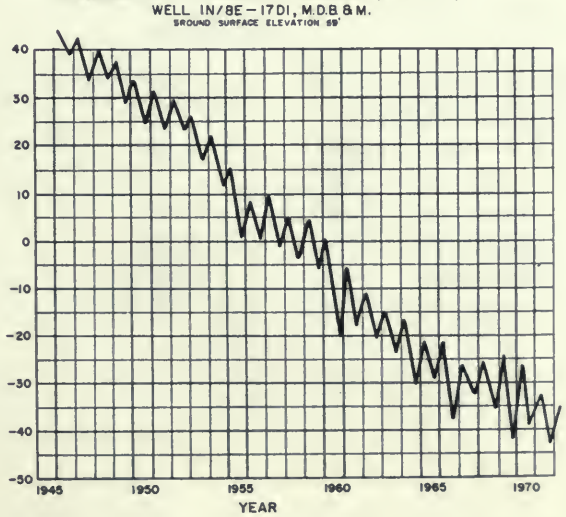
SAN JOAQUIN VALLEY (5-22.00)
MOKELUMNE RIVER AREA (5-22.01)
WELL 3N/7E-10L4, M.D.B.&M.
GROUND SURFACE ELEVATION 73'



SAN JOAQUIN VALLEY (5-22.00)
CALAVERAS RIVER AREA (5-22.02)
WELLS 2N/7E-1R2, 2N/7E-12A1, M.D.B.&M.
GROUND SURFACE ELEVATION 74', 72'



SAN JOAQUIN VALLEY (5-22.00)
FARMINGTON-COLLEGEVILLE AREA (5-22.03)
WELL 1N/8E-17D1, M.D.B.&M.
GROUND SURFACE ELEVATION 69'



------ CONNECTS MEASUREMENTS MADE AT INTERVALS OF A YEAR OR MORE.

FLUCTUATION OF WATER LEVEL IN WELLS

APPENDIX D

SURFACE WATER QUALITY DATA

This appendix contains surface water quality data collected at 160 stream and estuarine stations in Northeastern California during the period from October 1, 1971, through September 30, 1972. Samples were collected by the Department of Water Resources, U. S. Bureau of Reclamation, U. S. Geological Survey, and U. S. Army, Corps of Engineers.

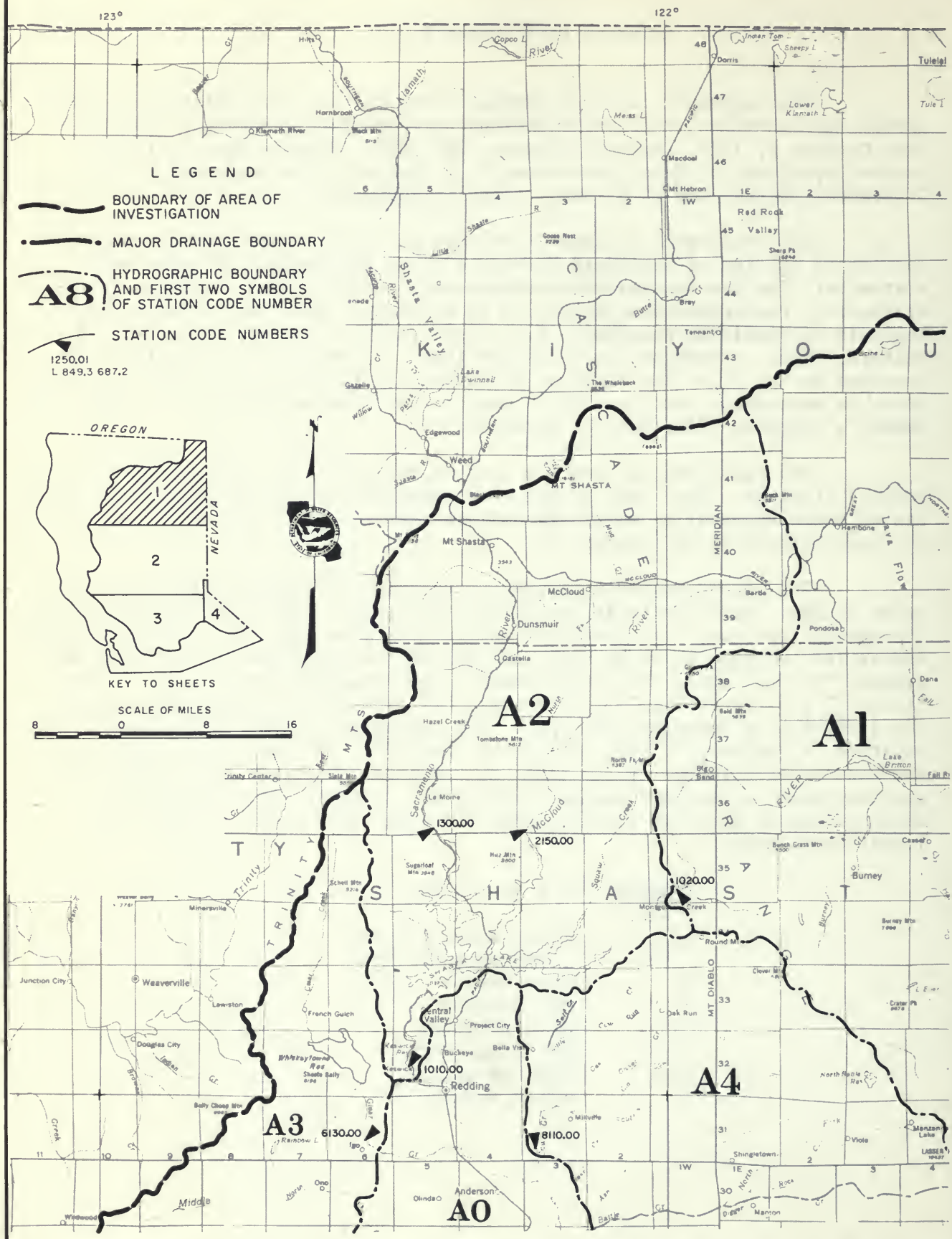
The Department of Water Resources Laboratory used procedures from the latest edition of "Standard Methods for the Examination of Water and Wastewater" for the determination of mineral, nutrient, and biological constituents. Pesticides are determined in accordance with the "Guide to the Analysis of Pesticide Residues", U. S. Department of Health, Education and Welfare, 1965. Laboratory services for the U. S. Bureau of Reclamation are provided by the U. S. Air Force at McClellan Air Force Base. It uses procedures in accordance with the "FWPCA Methods for Chemical Analysis of Water and Wastes", November 1968, for all parameters.

Two numbering systems are used in this bulletin for identifying water quality stations. The first is for those stations for which the flow of water can be measured readily, as in streams and rivers. This system is described in the introduction to Appendix B.

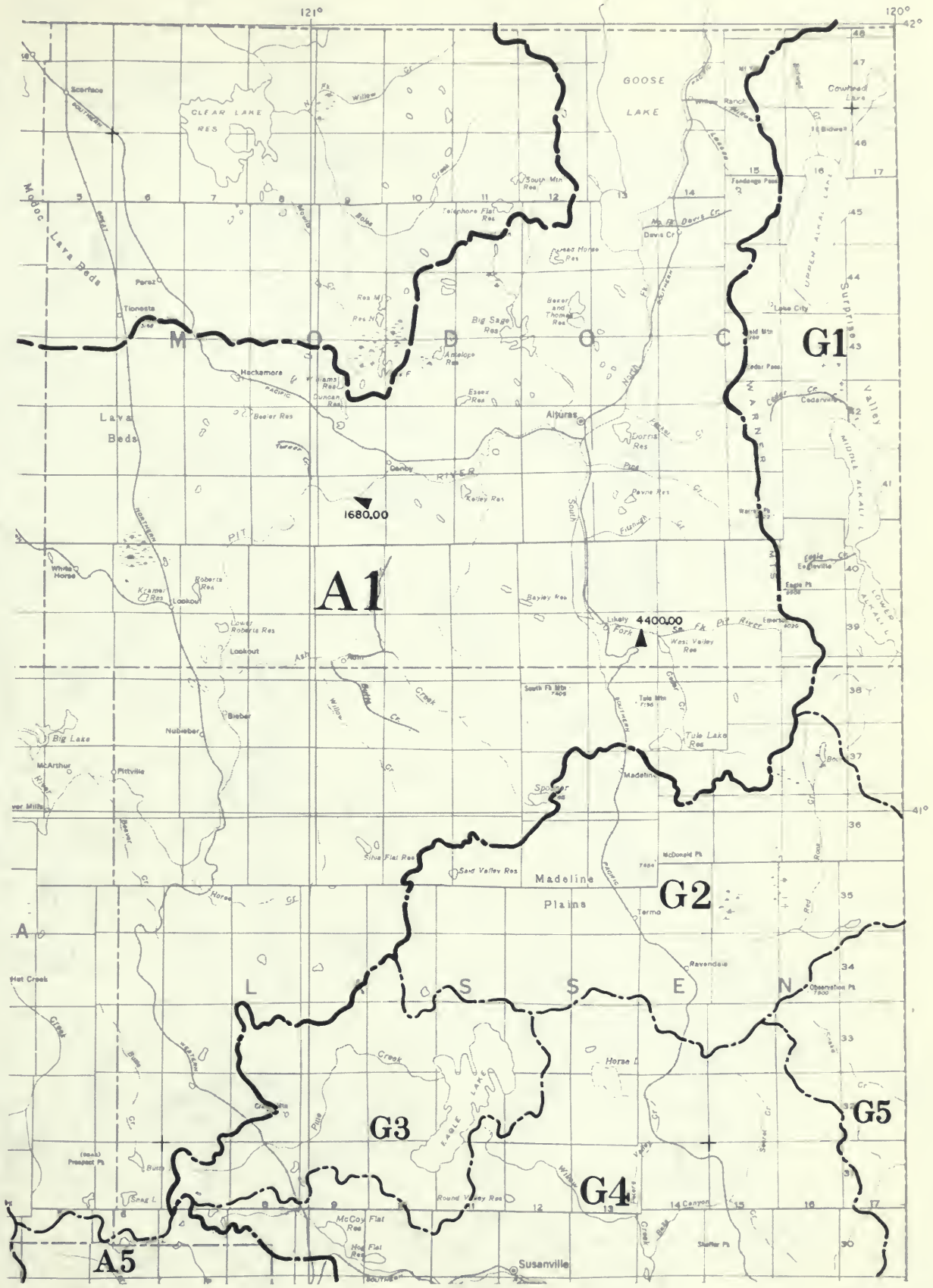
The second numbering system is used for stations located in broad water bodies. This system is described as follows. The first two digits show the hydrographic unit as identified in Appendix B on page 19. The third digit identifies the type of water body, and for this publication is a "B" for Bay system; "C" for canal; "D" for Sacramento-San Joaquin Delta system; "L" for lake; "R" for reservoir; "S" for slough; "V" for agricultural drain; and "X" for a channel of two-direction flow. The next digit is the last digit of the latitude in degrees, "3" for 33°, or "9" for 29°. The next three digits are the minutes of latitude to the tenth of a minute. The last four digits are the longitude in the same manner as latitude. A fifth digit indicates a sequence number when two stations have the same eight-digit latitude and longitude numbers.

Example: G7 L 904.5 008.4 2

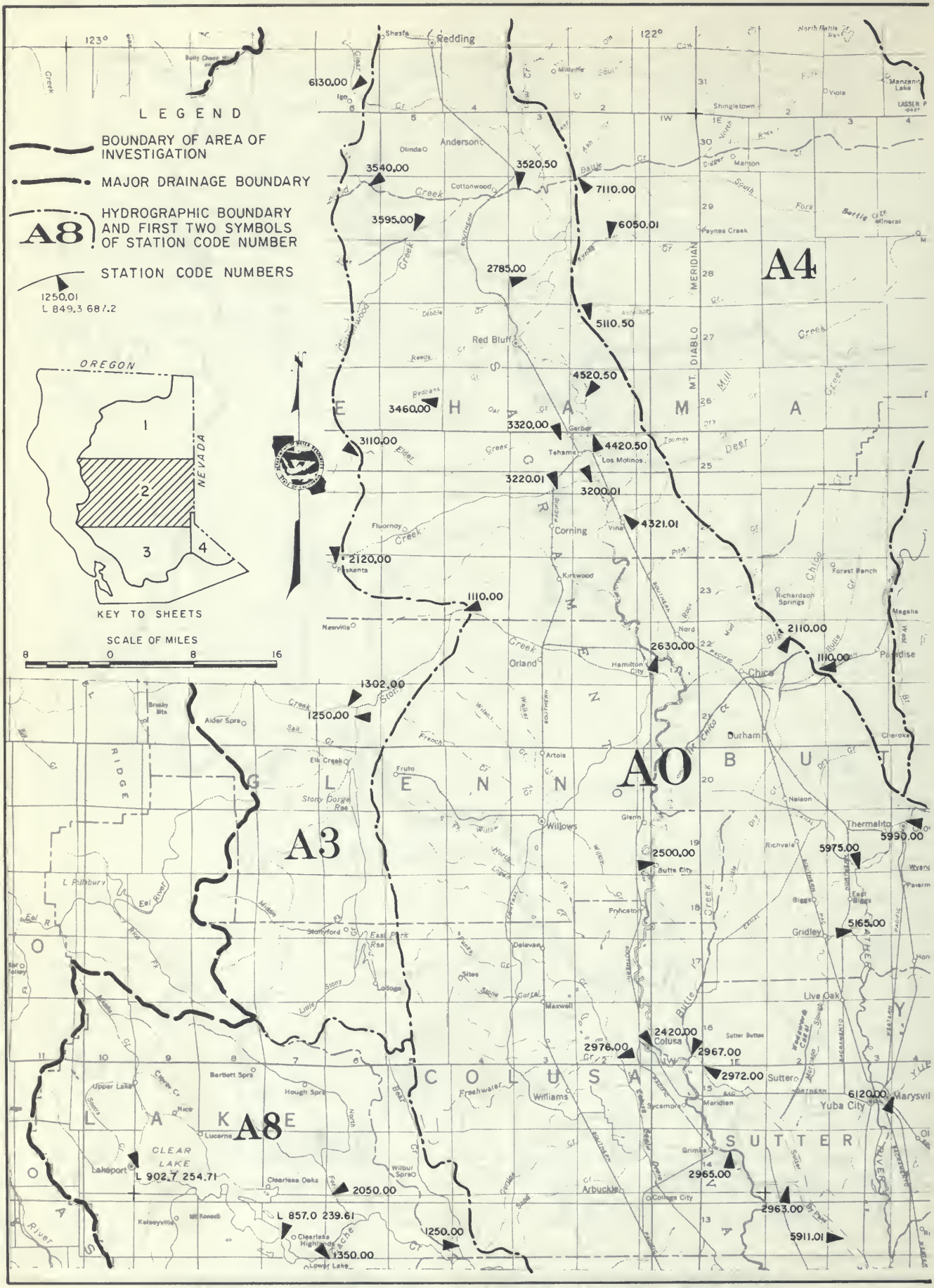
G7	North Lahontan Area, Truckee River Unit
L	Water Body -- Lake
9	39° Latitude
04.5	04.5' Latitude
0	120° Longitude
08.4	08.4' Longitude
2	Second Station



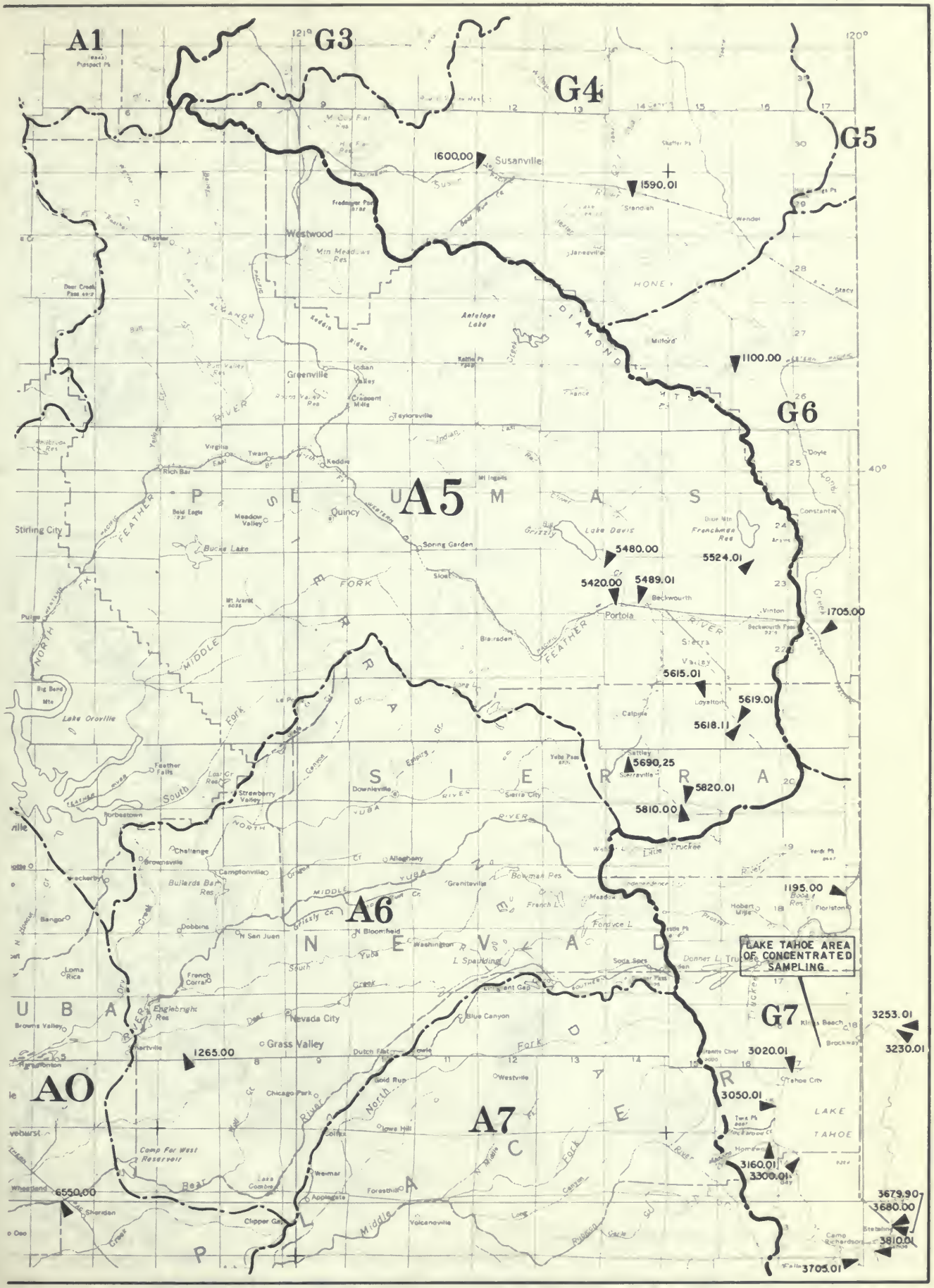
SURFACE WATER QUALITY SAMPLING STATIONS



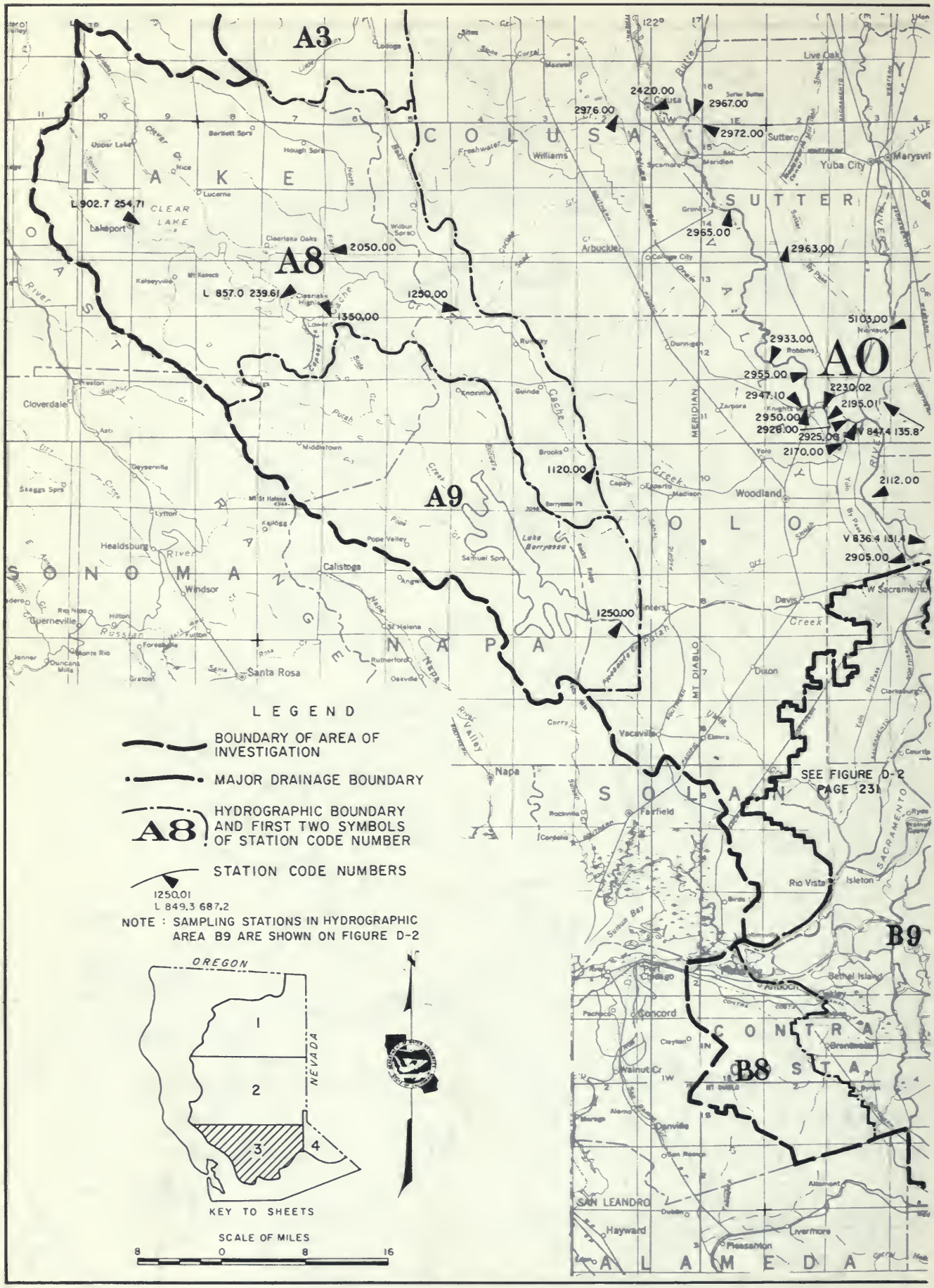
SURFACE WATER QUALITY SAMPLING STATIONS



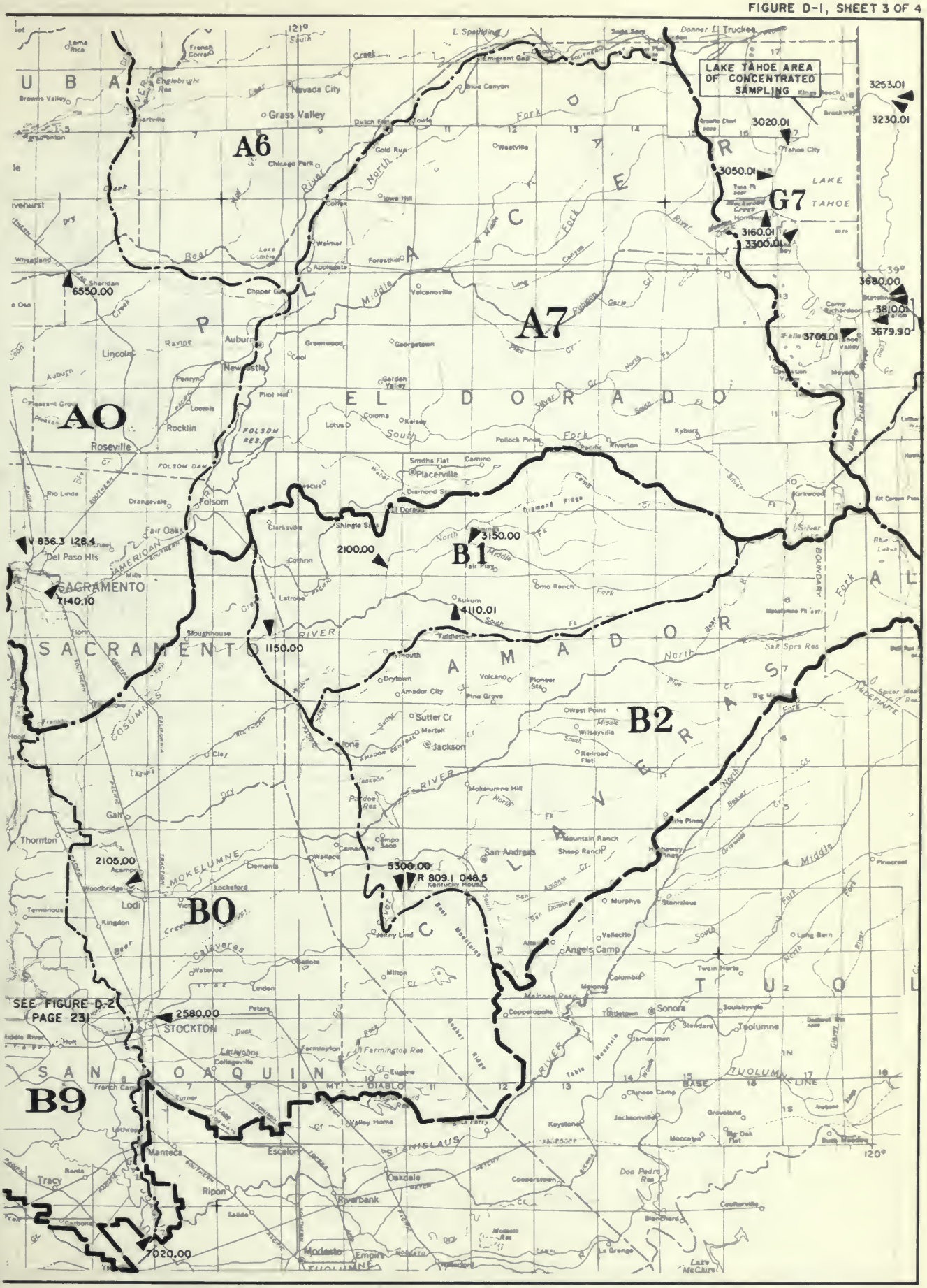
SURFACE WATER QUALITY SAMPLING STATIONS



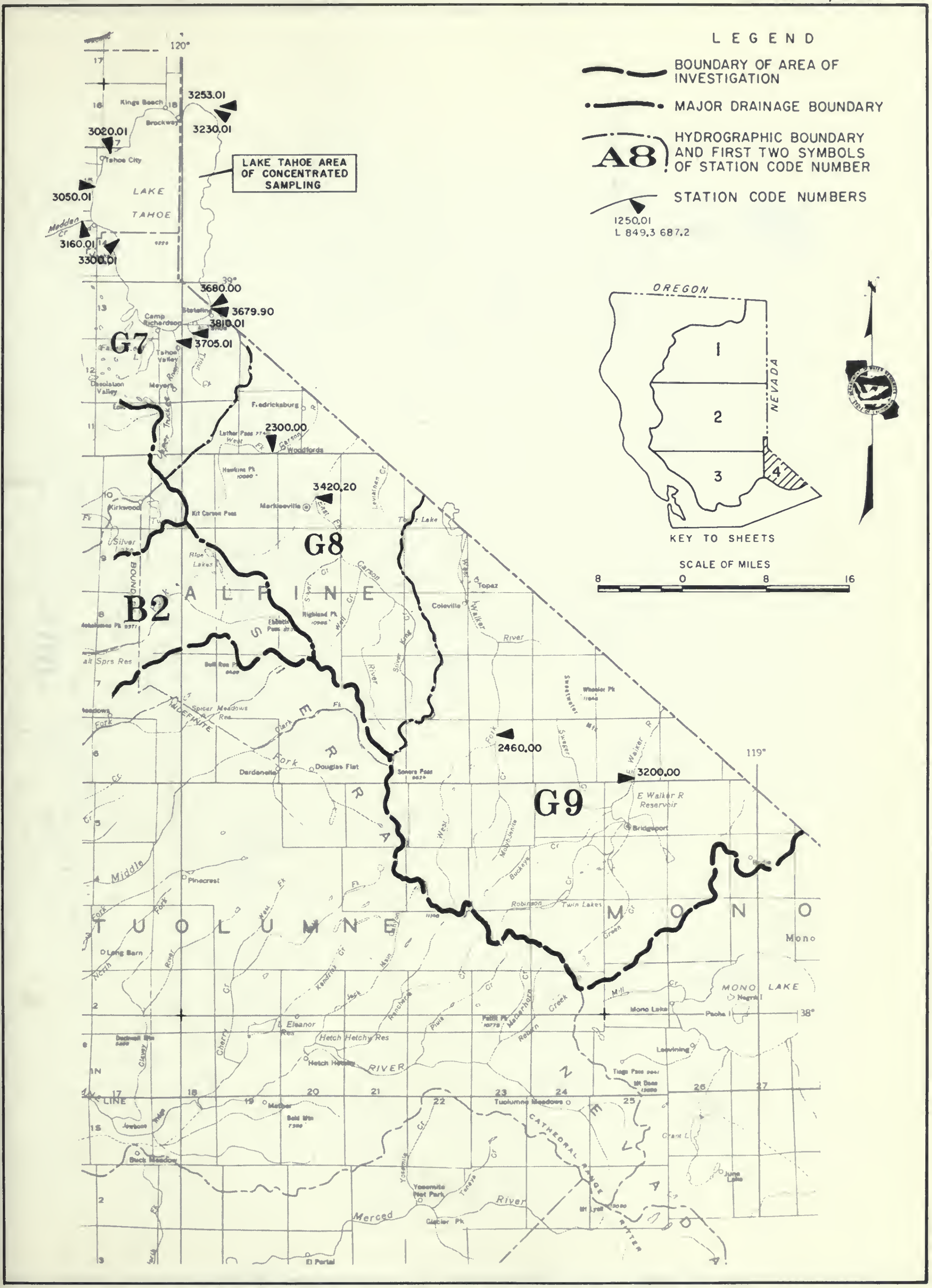
SURFACE WATER QUALITY SAMPLING STATIONS



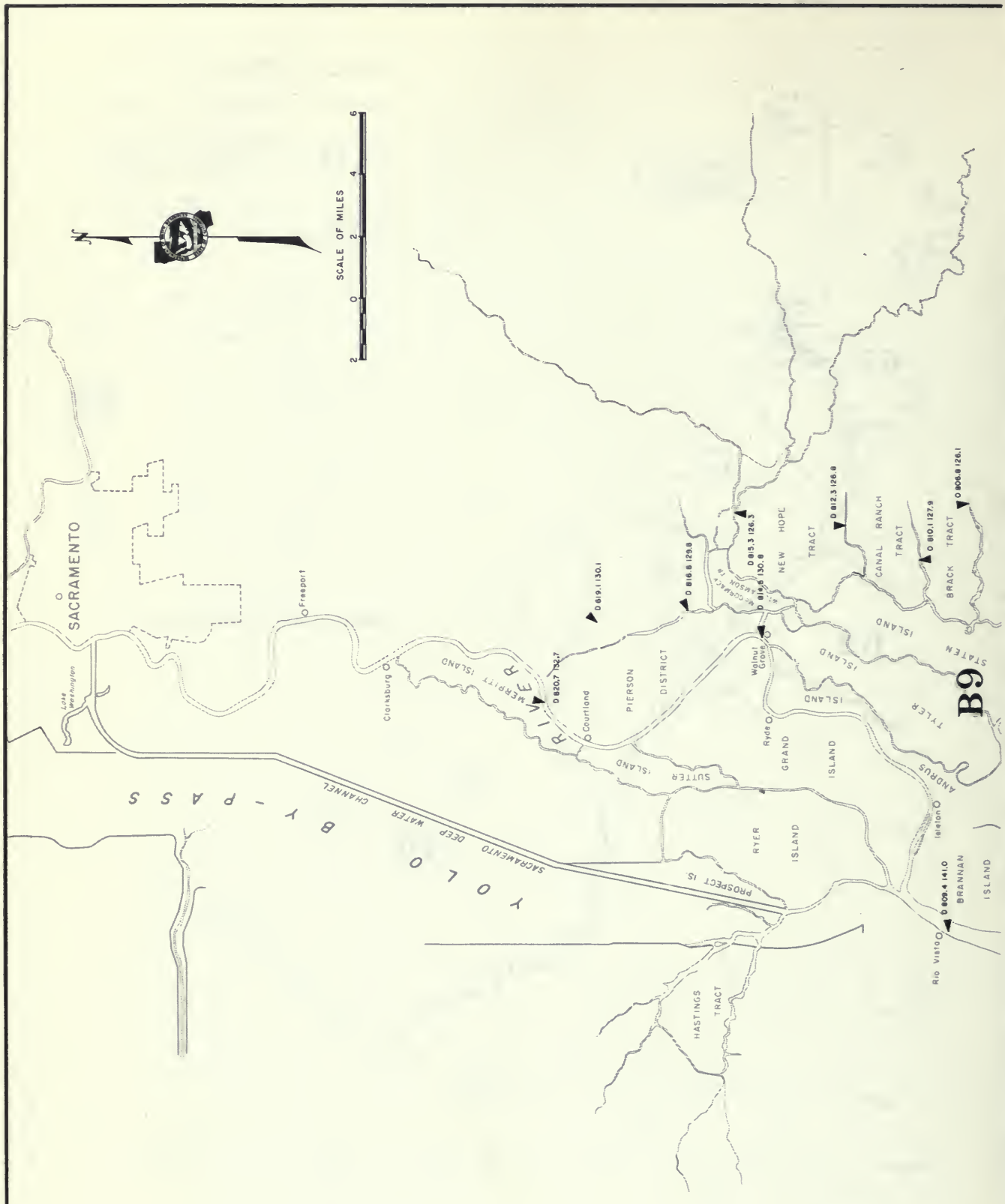
SURFACE WATER QUALITY SAMPLING STATIONS



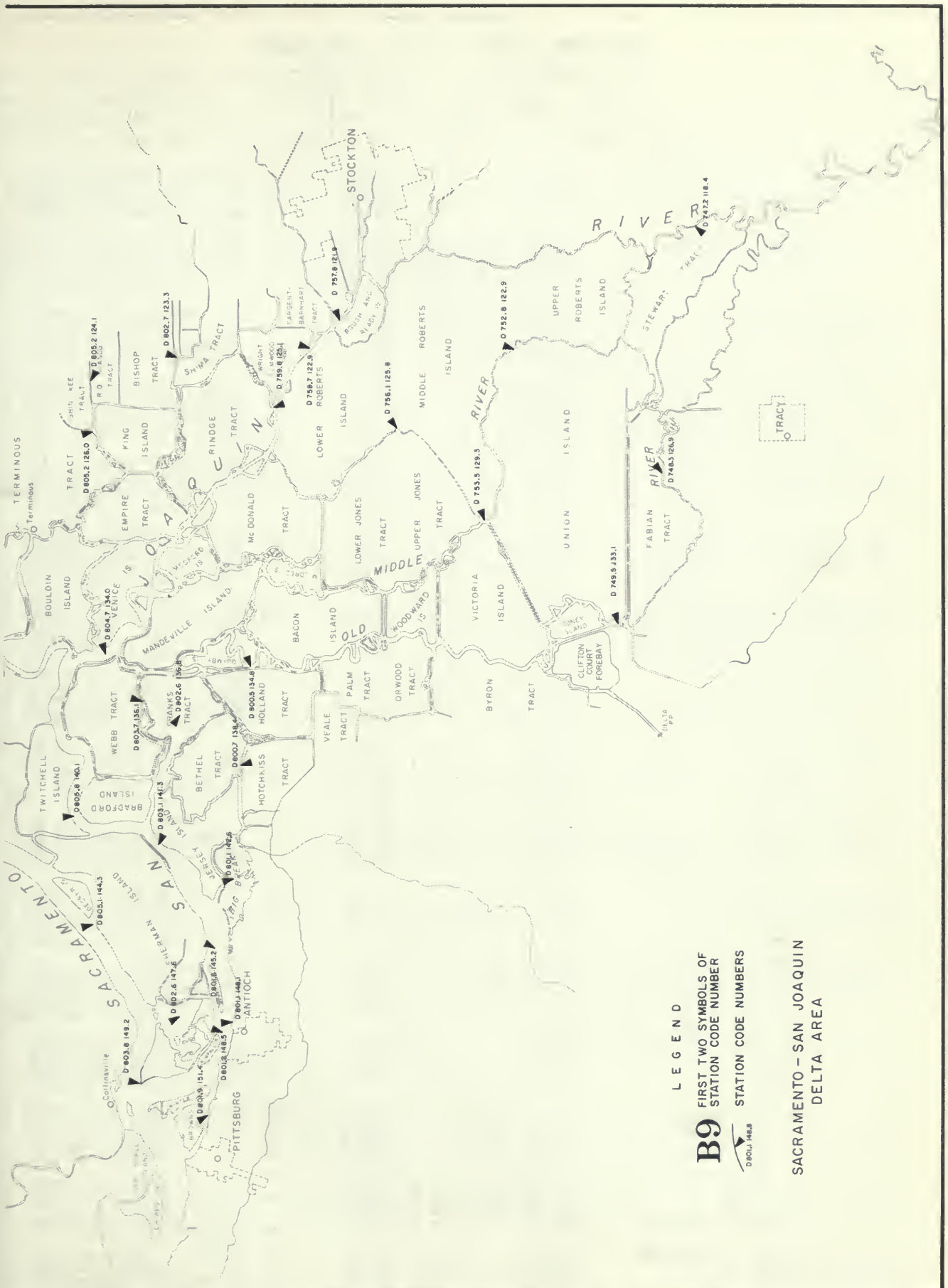
SURFACE WATER QUALITY SAMPLING STATIONS



SURFACE WATER QUALITY SAMPLING STATIONS



SURFACE WATER QUALITY SAMPLING STATIONS



SURFACE WATER QUALITY SAMPLING STATIONS

TABLE D-1

SAMPLING STATION DATA AND INDEX

Station	Station Number	Location		Beginning of Record	Data on pages indicated									
		Latitude ° ' "	Longitude ° ' "		Table Number D-2	D-3	D-4	D-5	D-6	D-7	D-8	D-9	Figures D-1	D-2
AMERICAN RIVER AT SACRAMENTO WATER PLANT	A0 7140.10	38 33 35	121 24 57	Oct. 1968	247							342	227	
ANTELOPE CREEK NEAR MOUTH NEAR RED BLUFF	A0 4250.50	40 06 30	122 06 35	Oct. 1958	245								224	
ANTELOPE CREEK NEAR RED BLUFF	A4 5110.50	40 12 10	122 07 05	Nov. 1958	251								224	
BATTLE CREEK NEAR COTTONWOOD	A4 7110.00	40 23 50	122 08 05	Apr. 1968	252								224	
BEAR CREEK NEAR RUMSEY	A8 1250.00	38 56 42	122 20 42	Oct. 1968	254	284			307	320			226	
BEAR RIVER NEAR WHEATLAND	A0 6550.00	39 00 01	121 24 20	Dec. 1951	246							340	227	
BEAR VALLEY CREEK ABOVE SMITHNECK CREEK	A5 5618.11	39 38 52	120 13 21		252								225	
BEAVER SLOUGH NEAR THORNTON	B9 D 812.3 126.8	38 12 15	121 26 46	Jan. 1968	273			297	313					230
BIG BREAK NEAR OAKLEY	B9 D 801.1 142.6	38 01 05	121 42 38	Mar. 1968	263			293	310	322				231
BIG CHICO CREEK NEAR CHICO	A4 2110.00	39 46 18	121 45 45	July 1952	251								224	
BIG GRIZZLY CREEK NEAR PORTOLA	A5 5480.00	39 52 00	120 27 20		252								225	
BURTON CREEK IN STAR HARBOR (T-8)	G7 3020.01	39 10 54	120 07 08	Aug. 1971	279			299	316				227	
BUTTE CREEK NEAR CHICO	A4 1110.00	39 43 34	121 42 28	July 1952	251								224	
BUTTE SLOUGH NEAR MERIDIAN	A0 2972.00	39 10 15	121 54 00	Feb. 1971	242	283			305	320			224	
BUTTE SLOUGH AT OUTFALL GATES	A0 2967.00	39 11 42	121 56 06	Aug. 1969	241								224	
CACHE CREEK NEAR CAPAY	A8 1120.00	38 43 43	122 06 14	Dec. 1951	254							343	226	
CACHE CREEK NEAR LOWER LAKE	A8 1350.00	38 55 24	122 33 54	Nov. 1951	255	284			308	320			226	
CACHE CREEK, NORTH FORK, NEAR LOWER LAKE	A8 2050.00	39 01 06	122 34 05	Dec. 1951	255								226	
CALAVERAS RIVER BELOW NEW HOGAN DAM	B2 5300.00	38 08 53	120 49 26		259	284	289		308	321			227	
CARSON RIVER, EAST FORK, AT HIGHWAY 4	G8 3420.20	38 41 20	119 45 44	Sept. 1958	280								229	
CARSON RIVER, WEST FORK, AT WOODFORDS	G8 2300.00	38 46 10	119 50 00	Aug. 1958	280								229	
CLEAR CREEK NEAR IGO	A3 6130.00	40 30 47	122 31 24	Apr. 1958	251								222	
CLEAR LAKE NEAR CLEARLAKE HIGHLANDS	A8 L 857.0 239.61	38 58 05	122 39 40	Nov. 1968	253				307				226	
CLEAR LAKE AT LAKEPORT	A8 L 902.7 254.71	39 02 36	122 54 48	Apr. 1951	253				307				226	
COLD STREAM ABOVE COTTONWOOD CREEK	A5 5820.01	39 32 48	120 19 05		253								225	
COLUSA BASIN DRAIN AT HIGHWAY 20	A0 2976.00	39 11 45	122 03 35	July 1962	242	283			306	320			224	
COLUSA BASIN DRAIN NEAR KNIGHTS LANDING	A0 2947.10	38 48 45	121 46 25	Mar. 1967	239	283			304	319		337	226	
COSUMNES RIVER AT MICHIGAN BAR	B1 1150.00	38 30 01	121 02 40	July 1952	258							346	227	
COSUMNES RIVER, MIDDLE FORK, NEAR SOMERSET	B1 3150.00	38 37 29	120 42 02	Oct. 1967	259								227	
COSUMNES RIVER, NORTH FORK, NEAR EL DORADO	B1 2100.00	38 35 20	120 50 38		258								227	
COSUMNES RIVER, SOUTH FORK, AT RIVER PINES	B1 4110.01	38 32 48	120 44 10	Oct. 1967	259								227	
COTTONWOOD CREEK AT COTTONWOOD	A0 3520.50	40 22 35	122 16 45	Apr. 1951	243								224	
COTTONWOOD CREEK BELOW NORTH FORK COTTONWOOD CREEK	A0 3540.00	40 23 00	122 29 10	Oct. 1958	243								224	
COTTONWOOD CREEK NEAR SIERRAVILLE	A5 5810.00	39 32 50	120 19 06		253								225	
COTTONWOOD CREEK, SOUTH FORK, NEAR COTTONWOOD	A0 3595.00	40 19 00	122 26 55	Nov. 1958	244								224	
COW CREEK NEAR MILLVILLE	A4 8110.00	40 30 20	122 13 55	Apr. 1958	252								222	
DEER CREEK AT HIGHWAY 99E	A0 4321.01	39 56 48	122 03 06	May 1971	244								224	
DISAPPOINTMENT SLOUGH NEAR LODI	B9 D 802.7 123.3	38 02 42	121 23 15		266			295	311					231
DUTCH SLOUGH AT BETHEL ISLAND BRIDGE	B9 D 800.7 138.4	38 00 43	121 38 24	May 1955	262			293						231
EAST WALKER RIVER NEAR BRIDGEPORT	G9 3200.00	38 19 40	119 12 49	Aug. 1958	280								229	
EDGEWOOD CREEK AT HIGHWAY 50 (T-7)	G7 3680.00	38 57 58	119 56 11	Aug. 1971	280			300	317				227	
EDGEWOOD CREEK AT MOUTH (T-7A)	G7 3679.90	38 58 00	119 56 57		279			300	317				227	
ELDER CREEK AT GERBER	A0 3320.00	40 18 06	122 09 54	Jan. 1959	243								224	
ELDER CREEK NEAR PASKENTA	A3 3110.00	40 01 30	120 30 36	Oct. 1958	250								224	
FALSE RIVER AT WEBB PUMP	B9 D 803.7 136.1	38 03 43	121 36 03	Feb. 1968	268									231
FEATHER RIVER FISH HATCHERY	A0 5990.00	39 31 05	121 33 11	Mar. 1969							330		224	
FEATHER RIVER NEAR GRIDLEY	A0 5165.00	39 22 01	121 38 43	Mar. 1967							329		224	
FEATHER RIVER AT NICOLAUS	A0 5103.00	38 54 01	121 35 00	Mar. 1949	245	284			306	320			226	
FEATHER RIVER, MIDDLE FORK, AT BECKWOURTH BRIDGE	A5 5489.01	39 49 08	120 23 23		252								225	
FEATHER RIVER, MIDDLE FORK, NEAR PORTOLA	A5 5420.00	39 49 19	120 26 09	May 1971	252								225	
FRANKS TRACT NEAR RUSSOS LANDING	B9 D 802.6 136.8	38 02 38	121 36 49	Apr. 1968	265			294	310	324				231
GENERAL CREEK NEAR MEEKS BAY (T-3)	G7 3300.01	39 03 15	120 06 49	July 1968	279			300	317				227	
GRINDSTONE CREEK NEAR ELK CREEK	A3 1302.00	39 40 48	122 31 52	Apr. 1969	250				307				224	
HOG SLOUGH NEAR THORNTON	B9 D 810.1 127.9	38 10 06	121 27 55		272			296	313					230
INCLINE CREEK AT INCLINE VILLAGE (T-2)	G7 3253.01	39 14 30	119 56 33	July 1968	279			300	317				227	
LAKE TAHOE NEAR CAMP RICHARDSON (S-6)	G7 L 856.5 003.4	38 56 28	120 03 25	Aug. 1971	277			298	315				227	
LAKE TAHOE AT CHAMBERS LANDING PIER (S-9)	G7 L 904.5 008.42	39 04 28	120 08 25	Aug. 1971	278			299	316				227	
LAKE TAHOE AT GLENBROOK BAY PIER (S-3)	G7 L 905.3 956.4	39 05 13	119 56 24	Aug. 1971	278			299	316				227	
LAKE TAHOE AT INCLINE GUARD STATION (L-4)	G7 L 914.3 956.8	39 14 18	119 56 45	July 1968	279			299	316				227	
LAKE TAHOE AT KINGS BEACH PIER (S-7)	G7 L 914.2 002.3	39 14 14	120 02 16	Aug. 1971	278			299	316				227	
LAKE TAHOE AT KINGS CASTLE PIER (S-4)	G7 L 914.2 956.6	39 14 14	119 56 37	Aug. 1971	279			299	316				227	
LAKE TAHOE AT MEEKS BAY RESORT PIER (S-12)	G7 L 902.3 007.2	39 02 19	120 07 14	Aug. 1971	278			299	316				227	
LAKE TAHOE - NORTH CENTER (C-2)	G7 L 908.7 000.3	39 08 42	120 00 15	July 1968	278			299	316				227	
LAKE TAHOE AT RUBICON BAY (L-2)	G7 L 900.9 006.8	39 00 52	120 06 48	July 1968	278			299	316				227	
LAKE TAHOE AT RUBICON BAY PIER (S-2)	G7 L 900.9 006.82	39 00 52	120 06 50	Aug. 1971	278			299	316				227	
LAKE TAHOE - SOUTH CENTER (C-1)	G7 L 900.0 000.0	39 00 00	120 00 00	July 1968	277			298	315				227	
LAKE TAHOE AT SURF AND SANDS PIER (S-10)	G7 L 857.0 958.02	38 57 00	119 58 00	Aug. 1971	277			298	315				227	
LAKE TAHOE NEAR TAHOE KEYS (L-1)	G7 L 856.4 000.6	38 56 22	120 00 34	July 1968	277			298	315				227	
LAKE TAHOE AT TAHOE KEYS PIER (S-1)	G7 L 856.3 000.5	38 56 18	120 00 29	Aug. 1971	277			298	315				227	
LAKE TAHOE AT TAHOE VISTA (L-7)	G7 L 914.2 002.2	39 14 10	120 02 11	July 1968	278			299	316				227	
LAKE TAHOE AT U. S. COAST GUARD PIER (S-5)	G7 L 910.8 007.12	39 10 50	120 07 05	Aug. 1971	278			299	316				227	
LAKE TAHOE AT WARD CREEK PIER (S-11)	G7 L 907.8 009.2	39 07 50	120 09 09		278			299	316				227	
LAKE TAHOE AT ZEPHYR COVE (L-8)	G7 L 900.5 956.9	39 00 32	119 56 56	July 1968	278			299	315				227	
LAKE TAHOE AT ZEPHYR COVE PIER (S-8)	G7 L 900.4 956.9	39 00 26	119 56 56	Aug. 1971	277			298	315				227	
LITTLE LAST CHANCE CREEK NEAR FRENCHMAN DAM	A5 5524.01	39 52 55	120 11 28		252								225	
LONG VALLEY CREEK NEAR DOYLE NEAR MOUTH	G6 1100.00	40 08 02	120 12 18		277	287			315				225	
LONG VALLEY CREEK NEAR HALLELUJAH JUNCTION	G6 1705.00	39 46 55	120 04 14	Mar. 1971	277	287			315	328			225	
MADDEN CREEK NEAR MOUTH (T-10)	G7 3160.01	39 05 27	120 09 43	Aug. 1971	279			300	317				227	
McCLOUD RIVER ABOVE SHASTA LAKE	A2 2150.00	40 57 30	122 13 05	Apr. 1951	249								222	
MIDDLE RIVER AT BORDEN HIGHWAY	B9 D 753.5 129.3	37 53 28	121 29 20	Sept. 1968	260			293	309					231

TABLE D-1 (Cont.)

SAMPLING STATION DATA AND INDEX

Station	Station Number	Location		Beginning of Record	Data on pages indicated									
		Latitude ° ' "	Longitude ° ' "		Table Number D-2	D-3	D-4	D-5	D-6	D-7	D-8	D-9	Figures D-1	D-2
MIDDLE RIVER AT WILLIAMS BRIDGE	B9 D 752.6 122.9	37 52 35	121 22 56		260		292	308						231
MILL CREEK NEAR MOUTH NEAR LOS MOLINOS	A0 4420.50	40 02 35	122 05 55	July 1952	244								224	
MOKELUMNE RIVER NEAR THORNTON	B9 D 815.3 126.3	38 15 20	121 26 21	Feb. 1968	273	286	297	314	326					230
MOKELUMNE RIVER AT WOODBRIDGE	B0 2105.00	38 09 30	121 18 10	Apr. 1951	256							344	227	
NATOMAS EAST MAIN DRAIN AT SACRAMENTO	A0 V 836.3 128.4	38 36 18	121 28 25		235	282		302	319				227	
NATOMAS MAIN DRAIN TO SACRAMENTO RIVER	A0 V 836.4 131.4	38 36 22	121 31 25		235	282		302	319				226	
NEW HOGAN RESERVOIR NEAR DAM	B2 R 809.1 048.5	38 09 06	120 48 30		259	284	289	308	321				227	
NEW YORK SLOUGH NEAR PITTSBURG POINT	B9 D 801.9 151.4	38 01 54	121 51 25	Sept. 1968	265	285								231
OLD RIVER AT CLIFTON COURT FERRY	B9 D 749.5 133.1	37 49 28	121 33 05	Sept. 1952							332			231
OLD RIVER AT HOLLAND TRACT	B9 D 800.5 134.8	38 00 27	121 34 47	Apr. 1968	262		293							231
OLD RIVER AT TRACY ROAD BRIDGE	B9 D 748.3 126.9	37 48 17	121 26 55	Feb. 1968	259		292	308						231
PAYNES CREEK NEAR RED BLUFF	A4 6050.01	40 18 54	122 04 12	Oct. 1958	251								224	
PIT RIVER NEAR CANBY	A1 1680.00	41 24 23	120 55 38	Apr. 1951	247	284	289	306	320				223	
PIT RIVER NEAR MONTGOMERY CREEK	A1 1020.00	40 50 30	122 01 00	Apr. 1951	247	284		306	320				222	
PIT RIVER, SOUTH FORK, NEAR LIKELY	A1 4400.00	41 13 51	120 26 10	Aug. 1958	248								223	
PUTAH CREEK NEAR WINTERS	A9 1250.00	38 30 55	122 04 50	Dec. 1951	255								226	
R. D. 70 DRAINAGE TO SACRAMENTO RIVER	A0 2965.00	39 04 06	121 51 42	Aug. 1969	241	283		305	320				224	
R. D. 108 DRAINAGE TO SACRAMENTO RIVER	A0 2933.00	38 51 48	121 47 30	Aug. 1969	239	283		304	319				226	
R. D. 787 DRAINAGE TO COLUSA BASIN DRAIN	A0 2950.00	38 48 06	121 43 36	Aug. 1969	240	283		304	320				226	
R. D. 787 DRAINAGE TO SACRAMENTO RIVER	A0 2955.00	38 50 48	121 43 48	Aug. 1969	240	283		305	320				226	
R. D. 1001 DRAINAGE TO NATOMAS CROSS CANAL	A0 V 847.4 135.8	38 47 25	121 35 47		235	282		302	319				226	
R. D. 1500 DRAINAGE TO SACRAMENTO SLOUGH	A0 2926.00	38 47 06	121 39 18		239	283		303	319				226	
R. D. 1660 DRAINAGE TO TISDALE BYPASS	A0 2963.00	39 01 06	121 46 54		241	283		305	320				226	
RED BANK CREEK NEAR RED BLUFF	A0 3460.00	40 05 25	122 24 45	Jan. 1959	243								224	
SACRAMENTO RIVER AT BEND BRIDGE	A0 2785.00	40 15 48	122 13 19	Jan. 1957	238	282	289						224	
SACRAMENTO RIVER AT BUTTE CITY	A0 2500.00	39 27 25	121 59 35	Jan. 1957	237								224	
SACRAMENTO RIVER AT COLUSA	A0 2420.00	39 12 48	121 59 54	Oct. 1958	237	282	289	303	319			336	224	
SACRAMENTO RIVER ABOVE COLUSA BASIN DRAIN	A0 2230.02	38 48 29	121 43 25	July 1960	236	282	289	303	319				226	
SACRAMENTO RIVER AT DELTA	A2 1300.00	40 56 20	122 24 55	Apr. 1951	248								222	
SACRAMENTO RIVER AT ELKHORN FERRY	A0 2112.00	38 40 33	121 37 15	Aug. 1969	235	282		302	319				226	
SACRAMENTO RIVER AT EMMATON	B9 D 805.1 144.3	38 05 04	121 44 17	Oct. 1967	269									231
SACRAMENTO RIVER AT FREMONT WEIR, WEST END	A0 2170.00	38 45 34	121 39 59	June 1965	235	282		302	319	329	335		226	
SACRAMENTO RIVER AT GREENE'S LANDING	B9 D 820.7 132.7	38 20 45	121 32 42	July 1962	274	286	289	298	315	327	334	349		230
SACRAMENTO RIVER AT HAMILTON CITY	A0 2630.00	39 45 06	121 59 48	Apr. 1951	237	282	289						224	
SACRAMENTO RIVER AT KESWICK	A2 1010.00	40 36 40	122 26 45	Apr. 1951	248	284	289		306	320			222	
SACRAMENTO RIVER BELOW KNIGHTS LANDING	A0 2195.01	38 45 48	121 40 45	July 1967	236	282	289						226	
SACRAMENTO RIVER ABOVE POINT SACRAMENTO	B9 D 803.8 149.2	38 03 45	121 49 10		268									231
SACRAMENTO RIVER BELOW RIO VISTA BRIDGE	B9 D 809.4 141.0	38 09 27	121 41 01		271	285		296	313	326				230
SACRAMENTO RIVER AT WALNUT GROVE BRIDGE	B9 D 814.5 130.8	38 14 32	121 30 48	Dec. 1960							334			230
SACRAMENTO SLOUGH AT SACRAMENTO RIVER	A0 2925.00	38 46 50	121 38 20	Jan. 1951	238	283		303	319				226	
SAN JOAQUIN RIVER AT ANTIOCH	B9 D 801.1 148.1	38 01 04	121 48 06	Oct. 1966							333	348		231
SAN JOAQUIN RIVER AT ANTIOCH BRIDGE (AT LIGHT 12)	B9 D 801.6 145.2	38 01 38	121 45 12	June 1960	264	285		294	310					231
SAN JOAQUIN RIVER AT ANTIOCH SHIP CHANNEL	B9 D 801.2 148.5	38 01 15	121 48 28	Jan. 1968	263			294	310	323				231
SAN JOAQUIN RIVER AT BUCKLEY COVE	B9 D 758.7 122.9	37 58 42	121 22 55	Feb. 1968	261	284		293	309	321				231
SAN JOAQUIN RIVER AT JERSEY POINT	B9 D 803.1 141.3	38 03 09	121 41 17	Oct. 1967	267	285		295	311	325				231
SAN JOAQUIN RIVER AT MOSSDALE BRIDGE	B9 D 747.2 118.4	37 47 11	121 18 22	Sept. 1952	259					321				231
SAN JOAQUIN RIVER AT POTATO POINT	B9 D 804.7 134.0	38 04 40	121 34 00	Mar. 1971	268			295						231
SAN JOAQUIN RIVER AT RINDGE PUMP	B9 D 759.8 125.1	37 59 51	121 25 06	Jan. 1965							333			231
SAN JOAQUIN RIVER AT TWITCHELL ISLAND	B9 D 805.8 140.1	38 05 50	121 40 05	Feb. 1968	270									231
SAN JOAQUIN RIVER NEAR VERNALIS	B0 7020.00	37 40 34	121 15 51	1951	257	284	289	292		320			227	
SHERMAN LAKE NEAR ANTIOCH	B9 D 802.6 147.6	38 02 34	121 47 34	Nov. 1968	266			294	311					231
SMITHNECK CREEK BELOW LOYALTON SEWAGE LAGOON	A5 5615.01	39 41 26	120 16 52		252								225	
SMITHNECK CREEK ABOVE BEAR VALLEY CREEK	A5 5619.01	39 38 54	120 13 19		252								225	
SNODGRASS SLOUGH AT SOUTHERN PACIFIC RR BRIDGE	B9 D 819.1 130.1	38 19 03	121 30 04		273			297	314					230
SNODGRASS SLOUGH AT TWIN CITIES ROAD	B9 D 816.6 129.8	38 16 37	121 29 45	Feb. 1968	272			297	314					230
SQUIRREL CREEK NEAR PENN VALLEY	A6 1265.00	39 12 38	121 12 08		253				307		331	341	225	
STOCKTON DIVERTING CANAL AT STOCKTON	B0 2580.00	37 58 53	121 14 54	Aug. 1969	256							345	227	
STOCKTON SHIP CHANNEL AT BURNS CUTOFF	B9 D 757.8 121.9	37 57 46	121 21 54	Sept. 1968							332	347		231
STONY CREEK BELOW BLACK BUTTE DAM	A3 1110.00	39 49 00	122 20 10	Jan. 1958	249				307				224	
STONY CREEK NEAR FRUTO	A3 1250.00	39 40 15	122 31 05	Feb. 1960	249				307				224	
SUSAN RIVER NEAR LITCHFIELD	G4 1590.01	40 22 45	120 23 35	Nov. 1968	276	287			315	328			225	
SUSAN RIVER AT SUSANVILLE	G4 1600.00	40 25 05	120 40 15	Apr. 1951	276					328			225	
SUTTER BYPASS AT HIGHWAY 113 NEAR ROBBINS	A0 5911.01	38 57 15	121 40 30	Mar. 1971								338	226	
SYCAMORE SLOUGH NEAR LODI	B9 D 808.8 126.1	38 08 45	121 26 05		271			296	312					230
TAYLOR CREEK NEAR CAMP RICHARDSON (T-4)	G7 3571.01	38 55 50	120 03 13	July 1968	279			300	317				227	
THERMALITO AFTERBAY RELEASE TO FEATHER RIVER	A0 5975.00	39 27 24	121 38 09								330		224	
THIRD CREEK NEAR MOUTH (T-6)	G7 3230.01	39 14 26	119 56 46	Aug. 1971	279			300	317				227	
THOMES CREEK AT PASKENTA	A3 2120.00	39 52 55	122 33 05	Oct. 1958	250								224	
THOMES CREEK AT RICHFIELD	A0 3220.01	39 58 45	122 10 35	Jan. 1959	242				307				224	
TROUT CREEK NEAR MOUTH (T-9)	G7 3810.01	38 55 55	119 58 40	Aug. 1971	280			300	317				227	
TRUCKEE RIVER AT FARAD	G7 1195.00	39 25 13	120 01 51	Apr. 1951	279								225	
TURNER CANYON CREEK AT SATTLEY	A5 5690.25	39 36 44	120 25 17		252								225	
UPPER TRUCKEE RIVER NEAR MOUTH (T-1)	G7 3705.01	38 55 24	119 59 28	July 1968				300	317				227	
WARD CREEK NEAR MOUTH (T-5)	G7 3050.01	39 07 57	120 09 24	Aug. 1971	279			300	316				227	
WEST WALKER RIVER BELOW LITTLE WALKER RIVER	G9 2460.00	38 22 48	119 27 00	Aug. 1958	280								229	
WHISKY SLOUGH AT HOLT	B9 D 756.1 125.8	37 56 07	121 25 49	Feb. 1968	261			293	309					231
WHITE SLOUGH NEAR LODI	B9 D 805.2 126.0	38 05 07	121 26 03		270			296	312					231
WHITE SLOUGH AT RIO BLANCO TRACT	B9 D 805.2 124.1	38 05 14	121 24 07		269			295	312					231
YOLO BYPASS BELOW SACRAMENTO BYPASS	A0 2905.00	38 35 06	121 35 00		238	282			303	319			226	
YUBA RIVER AT MARYSVILLE	A0 6120.00	39 08 32	121 34 30	Apr. 1951	246						331	339	224	

TABLE D-2

MINERAL ANALYSES OF SURFACE WATER

Lab and Sampler Agency Codes

5000 - U. S. Geological Survey
5001 - U. S. Bureau of Reclamation
5002 - U. S. Army, Corps of Engineers
5006 - McClellan Air Force Base Laboratory
5050 - Department of Water Resources

Abbreviations

TIME - Pacific Standard Time on a 24-hour clock

G.H. - Instantaneous gage height in feet above an established datum
Q - Instantaneous discharge in cubic feet per second
DEPTH - Depth in feet at which sample was collected

DO - Dissolved oxygen content in milligrams per liter
SAT - Percent of normal dissolved oxygen saturation

TEMP - Water temperature at time of sampling in degrees Fahrenheit (F) and Celsius (C)

PH - Measure of acidity (<7) or alkalinity (>7) of water

EC - Electrical conductance in micromhos at 25° C

TDS - Gravimetric determination of total dissolved solids at 180° C
SUM - Total dissolved solids by summation of analyzed constituents

TH - Total hardness
NCH - Noncarbonate hardness - any excess of total hardness over total alkalinity

TURB - Jackson Turbidity Units measured with a Hellege Turbidmeter (E) or a Hack Nephelometer (A)

SAR - Sodium adsorption ratio

PERCENT REACTANCE VALUE is determined by dividing the sum of the cations or anions in milliequivalents per liter into each constituent in millequivalents per liter arriving at a percentage. For a partial analysis, an approximate value is determined by mulitplying the electrical conductance by 0.01 and using that as the cation or anion sum

Mineral Constituents

B	-	Boron	K	-	Potassium
CA	-	Calcium	MG	-	Magnesium
CL	-	Chloride	NA	-	Sodium
CO3	-	Carbonate	NO3	-	Nitrate
F	-	Fluoride	SIO2	-	Silica
HCO3	-	Bicarbonate	SO4	-	Sulfate

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. O DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	MILLIGRAMS PER LITER SIO2	F	TDS SUM	TH NCH	TURB SAR
	A0 V 836.3 128.4						NATOMAS EAST MAIN DRAIN AT SACRAMENTO														
04/03/72	5050		6.8	59	F 7.1	280	--	--	--	--	--	--	--	--	--	--	--				6A
0950	5050		67	15	C 7.0	298											--				
07/26/72	5050		3.7	68	F 7.1	350	--	--	--	--	--	--	--	--	--	--	--				4A
0700	5050		40	20	C 7.2	384											--				
09/19/72	5050		4.5	68	F 7.1	350	--	--	--	--	--	--	--	--	--	--	--				7A
0730	5050		49	20	C 7.2	390											--				
	A0 V 836.4 131.4						NATOMAS MAIN DRAIN TO SACRAMENTO RIVER														
04/03/72	5050		8.1	61	F 7.6	260	--	--	--	--	--	--	--	--	--	--	--				12A
1045	5050		82	16	C 7.7	284											--				
07/26/72	5050		5.7	71	F 7.4	460	--	--	--	--	--	--	--	--	--	--	--				21A
1045	5050		64	22	C 7.8	517											--				
09/19/72	5050		6.7	65	F 7.3	440	--	--	--	--	--	--	--	--	--	--	--				23A
0750	5050		71	18	C 7.5	484											--				
	A0 V 847.4 135.8						R-D 1001 DRAINAGE TO NATOMAS CROSS CANAL														
04/03/72	5050		7.8	64	F 7.4	650	--	--	--	--	--	--	--	--	--	--	--				40A
1200	5050		82	18	C 7.5	776											--				
07/26/72	5050		5.6	73	F 7.5	410	--	--	--	--	--	--	--	--	--	--	--				30A
0830	5050		65	23	C 7.6	468											--				
09/19/72	5050		6.7	76	F 7.3	340	--	--	--	--	--	--	--	--	--	--	--				22A
1200	5050		80	24	C 7.4	372											--				
	A0 2182.00						SACRAMENTO RIVER AT ELKHORN FERRY														
10/20/71	5050		10.3	57	F 7.4	115	--	--	--	--	--	--	--	--	--	--	--				10E
1100	5050		99	14	C	118											--				
11/17/71	5050		11.1	49.0	F 7.3	118	--	--	--	--	--	--	--	--	--	--	--				9E
1320	5050		97	9.4	C	120											--				
12/15/71	5050		12.0	45	F 7.4	113	--	--	--	--	--	--	--	--	--	--	--				11E
0915	5050		99	7	C	116											--				
01/26/72	5050		11.3	46	F 7.4	117	--	--	--	--	--	--	--	--	--	--	--				120E
1100	5050		95	8	C	120											--				
02/16/72	5050		11.1	48	F 7.3	130	--	--	--	--	--	--	--	--	--	--	--				9A
0920	5050		96	9	C	133											--				
03/15/72	5050		10.0	56	F 7.3	118	--	--	--	--	--	--	--	--	--	--	--				15A
0915	5050		95	13	C	124											--				
04/03/72	5050		9.5	59	F 7.4	145	--	--	--	--	--	--	--	--	--	--	--				13A
1125	5050		94	15	C	157											--				
05/17/72	5050		8.3	68	F 7.4	175	--	--	--	--	--	--	--	--	--	--	--				13A
0730	5050		91	20	C	186											--				
06/21/72	5050		7.9	71	F 7.5	143	--	--	--	--	--	--	--	--	--	--	--				11A
1200	5050		89	22	C	136											--				
07/26/72	5050		8.5	71	F 7.7	120	--	--	--	--	--	--	--	--	--	--	--				6A
0800	5050		96	22	C 7.7	125											--				
08/16/72	5050		9.0	67	F 7.5	112	--	--	--	--	--	--	--	--	--	--	--				
0755			97	19	C												--				
09/19/72	5050		9.6	63	F 7.5	153	--	--	--	--	--	--	--	--	--	--	--				6A
1240	5050		99	17	C 7.5	162											--				
	A0 2170.00						SACRAMENTO RIVER AT FREMONT WEIR, WEST END														
10/20/71	5050	16.15	9.3	57	F 7.5	148	11	7.4	8.2	1.3	0	76	3.6	4.4	.6	.00	--	110	58	35E	
0845	5050		90	14	C 7.6	154	.55	.61	.36	.03	.00	1.25	.07	.12	.01		--	74	0	0.5	
							35	39	23	2		86	5	8	1						
11/17/71	5050	16.90	10.9	50.5	F 7.5	164	11	7.0	10	1.1	0	77	7.7	5.0	.9	.00	--	121	57	12E	
1115	5050		97	10.3	C 7.6	160	.55	.58	.44	.03	.00	1.26	.16	.14	.01		--	81	0	0.6	
							34	36	28	2		80	10	9	1						
12/15/71	5050	18.82	11.7	45	F 7.5	160	11	7.4	10	1.3	0	80	6.6	6.8	.8	.00	--	108	58	35E	
1000	5050		97	7	C 7.8	162	.55	.61	.44	.03	.00	1.31	.14	.19	.01		--	83	0	0.6	
							34	37	27	2		79	8	12	1						
01/26/72	5050	21.17	11.1	46	F 7.4	110	10	4.9	4.2	1.2	0	51	7.2	3.6	1.3	.20	--	90	45	120E	
1115	5050		93	8	C 7.2	112	.50	.40	.18	.03	.00	.84	.15	.10	.02		--	58	3	0.3	
							45	36	16	3		76	14	9	2						

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. O DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB SAR
	A0 2170.00			SACRAMENTO RIVER AT FREMONT WEIR, WEST END													CONTINUED			
02/16/72	5050	17.94	11.1	48 F	7.5	165	14	7.0	10	1.2	0	83	8.1	6.3	.9	.10	--	119	64	25A
1020	5050		96	9 C	7.6	171	.70	.58	.44	.03	.00	1.36	.17	.18	.01		--	88	0	0.5
							40	33	25	2		79	10	10	1					
03/15/72	5050	22.77	10.4	53 F	7.3	123	11	5.0	6.7	1.1	0	66	5.3	2.5	.6	.00	--	76	49	22A
1030	5050		96	12 C	7.6	131	.55	.41	.29	.03	.00	1.08	.11	.07	.01		--	65	0	0.4
							43	32	23	2		85	9	6	1					
04/03/72	5050	15.94	9.6	58.5F	7.5	160	12	7.3	9.7	1.0	0	78	10	5.6	.7	.00	--	106	60	13A
1400	5050		94	14.7C	7.6	160	.60	.60	.42	.03	.00	1.28	.21	.16	.01		--	85	0	0.5
							36	36	25	2		77	13	10	1					
05/17/72	5050	16.32	8.7	66 F	7.6	190	14	8.5	19	1.6	0	92	18	9.8	.3	.10	--	145	70	14A
0915	5050		93	19 C	7.8	214	.70	.70	.83	.04	.00	1.51	.37	.28	.00		--	117	0	1.0
							31	31	37	2		70	17	13						
06/21/72	5050	16.12	7.6	68 F	7.7	192	11	6.9	11	1.5	0	74	8.4	5.9	.5	.10	--	101	56	12A
0745	5050		83	20 C	7.0	158	.55	.57	.48	.04	.00	1.21	.17	.17	.01		--	82	0	0.6
							34	35	29	2		78	11	11	1					
07/26/72	5050	16.65	8.6	70 F	7.5	165	12	8.0	15	1.0	0	87	13	6.5	.5	.10	--	122	63	12A
1200	5050		96	21 C	7.3	186	.60	.66	.65	.03	.00	1.43	.27	.18	.01		--	99	0	0.8
							31	34	34	2		76	14	10	1					
08/16/72	5050	16.26	8.9	67.5F	7.6	175	--	--	--	--	--	--	--	5.5	--	--	--			
0955	5050		97	19.7C		195								.16			--			
09/19/72	5050	17.04	8.7	66 F	7.5	209	15	9.5	18	1.2	0	109	1.6	9.4	.4	.00	--	138	76	11A
0945	5050		93	19 C	7.6	256	.75	.78	.78	.03	.00	1.79	.03	.27	.01		--	109	0	0.9
							32	33	33	1		85	1	13						
	A0 2195.01			SACRAMENTO RIVER BELOW KNIGHTS LANDING																
10/27/71	5050	16.21	10.8	53.6F	7.6	147	--	--	--	--	--	--	--	--	--	--	--			17E
1600		7710	100	12.0C													--			
11/22/71	5050	17.79	10.8	52.2F	7.3	150	--	--	--	--	--	--	--	--	--	--	--			9E
1415		8360	98	11.2C													--			
12/20/71	5050	18.27	11.8	45.0F	7.6	171	--	--	--	--	--	--	--	--	--	--	--			9E
1400		9390	98	7.2C													--			
01/17/72	5050	17.19	11.7	45.0F	7.3	191	--	--	12	--	0	84	--	6.3	--	.10	--		64	7E
1400	5050	9110	97	7.2C	7.7	188			.52		.00	1.38		.18			--			
02/10/72	5050	22.19	11.5	49.1F	7.5	155	--	--	10	--	0	75	--	5.7	--	.00	--		7S	9A
1430	5050	12500	100	9.5C	8.3	164			.44		.00	1.23		.16			--			
04/04/72	5050	18.74	9.9	59.9F	7.4	165	--	--	8.6	--	0	75	--	4.4	--	.00	--		59	18A
0925	5050	8980	99	15.5C	7.7	156			.37		.00	1.23		.12			--			
05/09/72	5050	16.91	9.8	61 F	7.5	193	--	--	--	--	--	--	--	--	--	--	--			26A
1500		9340	99	16 C													--			
06/12/72	5050	15.49	9.0	63.5F	7.5	176	--	--	14	--	0	78	--	6.3	--	.10	--		63	12A
1345	5050	8420	94	17.5C	7.5	186			.61		.00	1.28		.18			--			
07/27/72	5050	16.58	8.3	68 F	7.6	180	--	--	--	--	--	--	--	--	--	--	--			15A
0950		8460	91	20 C													--			
08/15/72	5050	16.14	8.7	68.9F	7.6		--	--	19	--	0	94	--	9.4	--	.10	--		69	11A
1400	5050	6970	96	20.5C	7.6	212			.83		.00	1.54		.27			--			
09/19/72	5050	17.48	8.8	66 F	7.6	222	--	--	--	--	--	--	--	--	--	--	--			25A
1500		8190	94	19 C													--			
	A0 2230.02			SACRAMENTO RIVER ABOVE COLUSA BASIN DRAIN																
10/27/71	5050	18.16	10.8	55.4F	7.4	130	--	--	6.9	--	0	71	--	3.6	--	.00	--		56	15E
1400	5050		102	13.0C	7.5	136			.30		.00	1.16		.10			--			
11/23/71	5050	19.60	10.8	51.8F	7.3		--	--	7.4	--	0	75	--	3.8	--	.00	--		57	20E
1400	5050		98	11.0C	7.7	141			.32		.00	1.23		.11			--			
12/20/71	5050	20.11	11.8	45.0F	7.6		--	--	9.4	--	0	80	--	5.7	--	.10	--		58	7E
1345	5050		98	7.2C	7.7	154			.41		.00	1.31		.16			--			
01/17/72	5050	18.23	11.7	45.5F	7.3		--	--	10	--	0	80	--	5.9	--	.00	--		60	10E
1345	5050		97	7.5C	7.8	159			.44		.00	1.31		.17			--			
02/10/72	5050	23.75	11.4	48.6F	7.4		--	--	8.2	--	0	75	--	5.9	--	.10	--		58	10E
1405	5050		99	9.2C	7.4	152			.36		.00	1.23		.17			--			
03/15/72	5050	26.26	10.8	53.6F	7.4	153	--	--	7.1	--	0	66	--	3.6	--	.10	--		53	14A
1345	5050		100	12.0C	7.5	128			.31		.00	1.08		.10			--			
04/03/72	5050	18.39	10.6	59.9F	7.4	145	--	--	--	--	--	--	--	--	--	--	--			11A
1415	5050		106	15.5C		138											--			

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. Q DEPTH	OO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB SAR
	A0 2230.02			SACRAMENTO RIVER ABOVE COLUSA BASIN DRAIN														CONTINUED		
05/09/72	5050	19.24	10.4	61.7F	7.5	114	--	--	7.6	--	0	70	--	4.4	--	.00	--		51	5A
1430	5050		106	16.5C	7.7	133			.33		.00	1.15		.12			--			
06/12/72	5050	18.52	9.5	63.5F	7.5	135	--	--	--	--	--	--	--	--	--	--	--			16A
1320	5050		99	17.5C													--			
07/26/72	5050	18.37	9.2	69.8F	7.6		--	--	8.0	--	0	67	--	3.5	--	.10	--		51	8A
1245	5050		103	21.0C	7.5	131			.35		.00	1.10		.10			--			
08/15/72	5050	17.65	9.3	68.0F	7.6		--	--	14	--	0	83	--	7.2	--	.10	--		58	11A
1200	5050		102	20.0C	7.6	178			.61		.00	1.36		.20			--			
09/19/72	5050	18.74	9.3	66 F	7.5		--	--	8.7	--	0	78	--	5.2	--	.10	--		55	4A
1315	5050		100	19 C	7.5	151			.38		.00	1.28		.15			--			
	A0 2420.00			SACRAMENTO RIVER AT COLUSA																
10/27/71	5050	42.13	10.9	54.5F	7.4	134	--	--	--	--	--	--	--	--	--	--	--			9A
1030		6730	102	12.5C													--			
11/23/71	5050	43.09	10.7	51.1F	7.3	131	--	--	--	--	--	--	--	--	--	--	--			8A
1000		7840	96	10.6C													--			
12/20/71	5050	43.63	11.8	45.0F	7.8	180	12	6.4	9.2	1.2	0	78	4.1	3.7	.6	.10	--	83	56	
0915	5050	8500	98	7.2C	7.9	152	.60	.53	.40	.03	.00	1.28	.09	.10	.01		--	76	0	0.5
							38	34	26	2		86	6	7	1					
01/17/72	5050	43.13	11.7	44.6F	7.4	172	--	--	--	--	--	--	--	--	--	--	--			6A
0930		8020	96	7.0C													--			
02/10/72	5050	45.96	11.8	48.2F	7.4	162	--	--	8.2	--	0	74	--	5.2	--	.00	--		63	8A
0910	5050	11300	102	9.0C	8.3	150			.36		.00	1.21		.15			--			
03/15/72	5050	51.83	11.0	52.0F	7.7	153	--	--	7.2	--	0	65	--	3.4	--	.10	--		50	11A
0900	5050	18900	100	11.1C	7.4	130			.31		.00	1.07		.10			--			
04/03/72	5050	43.49	10.4	57.2F	7.4	153	--	--	7.0	--	0	69	--	4.3	--	.10	--		53	6A
0915	5050	8290	101	14.0C	7.6	136			.30		.00	1.13		.12			--			
05/09/72	5050	44.88	10.8	57 F	7.5	132	--	--	--	--	--	--	--	--	--	--	--			5A
0900		9960	105	14 C													--			
06/12/72	5050	44.27	10.0	59 F	7.8	127	--	--	--	--	--	--	--	--	--	--	--			9A
0745		9220	99	15 C													--			
07/26/72	5050	43.71	9.3	64.4F	7.6		--	--	6.8	--	0	64	--	3.5	--	.00	--		48	6A
0835	5050	8550	98	18.0C	7.5	122			.30		.00	1.05		.10			--			
08/15/72	5050	42.55	9.7	63 F	7.6	121	--	--	--	--	--	--	--	--	--	--	--			13A
0900		7200	100	17 C													--			
09/19/72	5050	41.96	9.6	61.7F	7.5		--	--	6.4	--	0	65	--	3.9	--	.10	--		48	2A
0915	5050	6560	98	16.5C	7.4	124			.28		.00	1.07		.11			--			
	A0 2500.00			SACRAMENTO RIVER AT BUTTE CITY																
11/23/71	5050	71.17	11.8	50.9F	7.0	135	--	--	--	--	--	--	--	--	--	--	--			12A
0900		7950	106	10.5C													--			
01/17/72	5050	71.10	11.2	44.6F	7.7	175	--	--	--	--	--	--	--	--	--	--	--			5A
0830		8160	92	7.0C													--			
03/15/72	5050	75.14	10.7	52.3F	7.8	153	--	--	--	--	--	--	--	--	--	--	--			14A
0745		19100	98	11.3C													--			
05/09/72	5050	72.00	10.6	54.5F	7.4	140	--	--	--	--	--	--	--	--	--	--	--			4A
0745		10600	99	12.5C													--			
07/26/72	5050	71.40	9.6	61 F	7.6	126	--	--	--	--	--	--	--	--	--	--	--			5A
0730		9290	97	16 C													--			
09/19/72	5050	70.51	9.4	61 F	7.4	120	--	--	--	--	--	--	--	--	--	--	--			5A
0810		7200	95	16 C													--			
	A0 2630.00			SACRAMENTO RIVER AT HAMILTON CITY																
11/18/71	5050	28.61	11.8	51.8F	7.4	122	--	--	--	--	--	--	--	--	--	--	--			4A
1415			107	11.0C													--			
01/06/72	5050	28.90	12.3	45.5F	7.4	141	--	--	--	--	--	--	--	--	--	--	--			4A
1430			103	7.5C													--			
03/08/72	5050	32.27	10.9	50.9F	7.3	123	--	--	--	--	--	--	--	--	--	--	--			12A
1315			98	10.5C													--			

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. Q DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB SAR
	AO	2630.00					SACRAMENTO RIVER AT HAMILTON CITY													CONTINUED	
05/10/72 1245	5050	29.36	11.5 109	55 F 13 C	7.6	127	--	--	--	--	--	--	--	--	--	--	-- --			4A
07/17/72 0630	5050	29.12	8.9 90	61 F 16 C	8.2	106	--	--	--	--	--	--	--	--	--	--	-- --			5A
09/06/72 0645	5050	28.23	8.5 86	61 F 16 C	7.3	114	--	--	--	--	--	--	--	--	--	--	-- --			3A
	AO	2785.00					SACRAMENTO RIVER AT BEND BRIDGE														
11/22/71 1530	5050	19.24 7675	11.0 100	51.8F 11.0C	7.4	128	--	--	--	--	--	--	--	--	--	--	-- --			4A
01/06/72 1300	5050	19.42 8150	11.8 100	46.4F 8.0C	7.3	132	--	--	--	--	--	--	--	--	--	--	-- --			5A
03/02/72 0830	5050	20.85 11745	11.3 96	46 F 8 C	7.2	122	--	--	--	--	--	--	--	--	--	--	-- --			16A
05/08/72 0730	5050	21.12 12398	10.8 95	49.1F 9.5C	8.1	119	--	--	--	--	--	--	--	--	--	--	-- --			2A
07/21/72 0800	5050	20.94 11970	9.9 91	52.7F 11.5C	7.4	116	--	--	--	--	--	--	--	--	--	--	-- --			5A
09/22/72 0735	5050	18.87 6375	10.0 95	55 F 13 C	7.4	114	--	--	--	--	--	--	--	--	--	--	-- --			5A
	AO	2905.00					YOLO BYPASS BELOW SACRAMENTO BYPASS														
04/03/72 1515	5050 5050	10.13 7.8	8.5 94	69 F 21 C	8.2 8.3	1300 1550	--	--	--	--	--	--	--	--	--	--	-- --			54A
07/26/72 1330	5050 5050	9.92 3.0	6.1 69	71 F 22 C	8.1 7.8	550 648	--	--	--	--	--	--	--	--	--	--	-- --			87A
09/19/72 0840	5050 5050	10.22 7.8	5.9 62	64 F 18 C	8.1 7.5	560 629	--	--	--	--	--	--	--	--	--	--	-- --			70A
	AO	2925.00					SACRAMENTO SLOUGH AT SACRAMENTO RIVER														
10/27/71 1330	5050 5050		9.8 95	57.2F 14.0C	7.6 7.8	265 267	--	--	16 .70	--	0 .00	143 2.34	--	11 .31	--	.00	-- --		107	40E
11/23/71 1150	5050 5050		10.1 90	50.2F 10.1C	7.4 7.7	306	--	--	20 .87	--	0 .00	155 2.54	--	14 .39	--	.00	-- --		113	40E
12/20/71 1115	5050 5050		11.4 90	41.9F 5.5C	7.8 7.9	434	--	--	34 1.48	--	0 .00	191 3.13	--	39 1.10	--	.10	-- --		152	25E
01/17/72 1145	5050 5050		11.0 88	42.4F 5.8C	7.8 8.2	1000	56 2.79 26	44 3.62 33	102 4.44 41	1.9 .05	0 .00	326 5.34 51	33 .69 7	160 4.51 43	.9 .01	.20	-- --	524 558	319 54	40E 2.5
02/10/72 1130	5050 5050		10.0 87	49.1F 9.5C	7.6 7.6	476	--	--	36 1.57	--	0 .00	206 3.38	--	44 1.24	--	.10	-- --		168	50E
03/15/72 1125	5050 5050		9.0 93	62.6F 17.0C	7.8 7.6	457 457	--	--	38 1.65	--	0 .00	171 2.80	--	55 1.55	--	.20	-- --		166	21A
04/03/72 1145	5050 5050		9.3 100	66.2F 19.0C	7.8 7.5	252 252	--	--	16 .70	--	0 .00	113 1.85	--	21 .59	--	.00	-- --		92	44A
05/09/72 1200	5050 5050		8.4 88	64.0F 17.8C	7.4 7.6	379 398	--	--	29 1.26	--	0 .00	160 2.62	--	37 1.04	--	.10	-- --		139	19A
06/12/72 1030	5050 5050		6.0 67	69.8F 21.0C	7.3	462	--	--	--	--	--	--	--	--	--	--	-- --			38A
07/26/72 1215	5050 5050		6.7 79	75.2F 24.0C	7.5 7.5	486	--	--	36 1.57	--	0 .00	216 3.54	--	41 1.16	--	.20	-- --		182	36A
08/15/72 1130	5050 5050		7.3 81	70 F 21 C	7.5	485	--	--	--	--	--	--	--	--	--	--	-- --			42A
09/19/72 1235	5050 5050		7.4 81	68 F 20 C	7.5 7.9	510	--	--	43 1.87	--	0 .00	235 3.85	--	52 1.47	--	.10	-- --		198	16A

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. Q DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	MILLIGRAMS PER LITER F SIO2	TDS SUM	TH NCH	TURB SAR
	A0	2926.00		R-D 1500 DRAINAGE TO SACRAMENTO SLOUGH																
03/15/72	5050	13.53	9.3	62.6F	8.1	1301	66	54	126	1.4	0	367	38	223	.1	.20	--	588	388	14A
1145	5050		96	17.0C	8.2	1320	3.29	4.44	5.48	.04	.00	6.02	.79	6.29	.00		--	689	86	2.8
							25	34	41			46	6	48						
04/03/72	5050	14.66	9.5	63.5F	7.7		--	--	57	--	0	187	--	107	--	.10	--		198	21A
1215	5050		99	17.5C	7.9	641			2.48		.00	3.06		3.02			--			
07/26/72	5050	15.63	7.7	77.0F	7.4		--	--	52	--	0	219	--	81	--	.20	--		205	25A
1150	5050		92	25.0C	7.7	621			2.26		.00	3.59		2.28			--			
09/19/72	5050	12.17	6.6	66 F	7.4		--	--	85	--	0	326	--	133	--	.20	--		270	18A
1225	5050		71	19 C	7.9	853			3.70		.00	5.34		3.75			--			
	A0	2933.00		R-D 108 DRAINAGE TO SACRAMENTO RIVER																
10/27/71	5050		6.8	54.5F	8.1	638	--	--	75	--	0	247	--	44	--	.20	--		181	80E
1515	5050		64	12.5C	7.9	659			3.26		.00	4.05		1.24			--			
11/23/71	5050		6.7	50.0F	7.7		27	26	74	1.2	0	230	75	48	.5	.20	--	390	175	140E
1310	5050		59	10.0C	7.9	640	1.35	2.14	3.22	.03	.00	3.77	1.56	1.35	.01		--	365	0	2.4
							20	32	48			56	23	20						
12/20/71	5050		6.9	44.6F	8.0		--	--	78	--	0	249	--	52	--	.20	--		191	60E
1245	5050		57	7.0C	8.0	697			3.39		.00	4.08		1.47			--			
01/17/72	5050		7.7	42.8F	8.0		41	47	158	1.4	0	350	194	100	.4	.60	--	660	296	30E
1250	5050		62	6.0C	8.3	1150	2.05	3.87	6.87	.04	.00	5.74	4.04	2.82	.01		--	714	9	4.0
							16	30	54			46	32	22						
01/23/72	5050		7.7	46.4F	7.2	471	--	--	48	--	0	148	--	39	6.6	.20	--		138	450A
1435	5050		65	8.0C	7.7	500			2.09		.00	2.43		1.10	.11		--			
												67		30	3					
02/10/72	5050		7.8	50.0F	7.9		--	--	122	--	0	331	--	83	--	.60	--		282	40E
1315	5050		69	10.0C	8.3	1040			5.31		.00	5.43		2.34			--			
03/15/72	5050		5.8	62.6F	7.4	406	22	20	36	1.2	0	172	38	21	3.5	.20	--	204	137	28A
1300	5050		60	17.0C	7.7	418	1.10	1.64	1.57	.03	.00	2.82	.79	.59	.06		--	226	0	1.3
							25	38	36	1		66	19	14	1					
04/03/72	5050		11.4	70.7F	8.1	557	--	--	59	--	0	183	--	46	--	.30	--		158	32A
1340	5050		128	21.5C	7.8	549			2.57		.00	3.00		1.30			--			
05/09/72	5050		7.9	64.4F	7.4	422	--	--	48	--	0	147	--	29	--	.20	--		131	34A
1330	5050		83	18.0C	7.7	434			2.09		.00	2.41		.82			--			
06/12/72	5050		6.3	71.6F	7.5	510	--	--	55	--	0	165	--	30	--	.30	--		144	21A
1215	5050	6.5	72	22.0C	7.7	525			2.39		.00	2.70		.85			--			
07/26/72	5050		6.6	73.4F	7.3		--	--	57	--	0	187	--	33	--	.40	--		144	23A
1400	5050		76	23.0C	7.3	522			2.48		.00	3.06		.93			--			
08/15/72	5050		7.2	73 F	7.4	577	--	--	--	--	--	--	--	--	--	--	--			37A
1300	5050		83	23 C													--			
09/19/72	5050		7.3	68 F	7.5		--	--	82	--	0	254	--	48	--	.50	--		192	20A
1410	5050		80	20 C	7.8	709			3.57		.00	4.16		1.35			--			
	A0	2947.10		COLUSA BASIN DRAIN NEAR KNIGHTS LANDING																
10/27/71	5050	24.00	10.8	55.4F	8.2	621	--	--	65	--	0	234	--	39	--	.30	--		184	70E
1445	5050		102	13.0C	7.9	632			2.83		.00	3.84		1.10			--			
11/23/71	5050	24.53	10.9	49.6F	8.0		28	26	73	2.9	0	230	92	39	.5	.20	--	394	175	70E
1240	5050		96	9.8C	8.1	643	1.40	2.14	3.18	.07	.00	3.77	1.92	1.10	.01		--	375	0	2.4
							21	32	47	1		55	28	16						
12/20/71	5050		13.0	41.9F	8.1	877	--	--	89	--	0	262	--	50	--	.30	--		218	25E
1215	5050		103	5.5C	8.1	809			3.87		.00	4.29		1.41			--			
01/17/72	5050		13.4	42.6F	8.1		--	--	150	--	0	312	--	92	--	.40	--		312	30E
1230	5050		107	5.9C	8.3	1190			6.53		.00	5.11		2.59			--			
02/10/72	5050	24.08	11.8	51.8F	8.1		--	--	178	--	0	354	--	100	--	.40	--		345	40E
1240	5050		107	11.0C	7.9	1360			7.74		.00	5.80		2.82			--			
03/15/72	5050	25.56	8.5	66.2F	8.1	1542	60	57	203	2.9	0	407	318	122	.1	.40	--	995	383	28A
1230	5050		91	19.0C	8.3	1560	2.99	4.69	8.83	.07	.00	6.67	6.62	3.44	.00		--	964	51	4.5
							18	28	53			40	40	21						
04/03/72	5050		8.1	63.5F	7.8	420	21	15	37	1.8	0	141	48	20	2.2	.10	--	234	114	78A
1305	5050		84	17.5C	7.7	381	1.05	1.23	1.61	.05	.00	2.31	1.00	.56	.04		--	214	0	1.5
							27	31	41	1		59	26	14	1					
05/09/72	5050		7.8	64.4F	7.6	433	--	--	54	--	0	152	--	25	--	.20	--		124	100A
1245	5050		82	18.0C	8.2	468			2.35		.00	2.49		.71			--			
06/12/72	5050	24.52	6.7	70.7F	7.9	654	--	--	--	--	--	--	--	--	--	--	--			70A
1130	5050		75	21.5C													--			

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. Q DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE										MILLIGRAMS PER LITER				
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB SAR
	AO	2947.10			COLUSA BASIN DRAIN NEAR KNIGHTS LANDING										CONTINUED					
07/26/72	5050	24.51	7.0	78.8F	7.9		--	--	61	--	0	230	--	28	--	.40	--		190	56A
1330	5050		86	26.0C	7.8	577			2.65		.00	3.77		.79			--			
08/15/72	5050	24.51	8.0	72 F	8.0	598	--	--	--	--	--	--	--	--	--	--	--			50A
1230	5050		91	22 C													--			
09/19/72	5050	24.50	8.0	68 F	7.7		--	--	53	--	0	210	--	28	--	.20	--		156	19A
1335	5050		87	20 C	7.7	495			2.31		.00	3.44		.79			--			
	AO	2950.00			R-D 787 DRAINAGE TO COLUSA BASIN DRAIN															
10/27/71	5050	19.40	8.6	57.2F	8.2	731	--	--	91	--	0	396	--	26	--	1.70	--		231	40E
1420	5050		83	14.0C	7.9	773			3.96		.00	6.49		.73			--			
11/23/71	5050	19.38	8.7	50.0F	8.0		35	42	98	1.9	0	418	80	30	.0	1.70	--	526	259	40E
1230	5050		77	10.0C	8.3	847	1.75	3.45	4.26	.05	.00	6.85	1.67	.85	.00		--	494	0	2.6
							18	36	45	1		73	18	9						
12/20/71	5050	19.40	11.3	41.4F	8.1		--	--	93	--	0	416	--	31	--	1.30	--		261	15E
1200	5050		89	5.2C	8.2	830			4.05		.00	6.82		.87			--			
01/17/72	5050	19.83	12.1	41.9F	8.1		34	35	100	2.1	0	359	87	35	1.4	1.30	--	444	229	12E
1210	5050		96	5.5C	8.3	779	1.70	2.88	4.35	.05	.00	5.88	1.81	.99	.02		--	472	0	2.9
							19	32	48	1		68	21	11						
02/10/72	5050	20.00	11.2	50.9F	8.1		--	--	95	--	0	353	--	38	--	1.10	--		232	25E
1215	5050		100	10.5C	7.9	808			4.13		.00	5.79		1.07			--			
03/15/72	5050	19.15	7.4	59.9F	7.7	491	--	--	61	--	0	254	--	20	--	1.00	--		164	25A
1215	5050		74	15.5C	7.5	522			2.65		.00	4.16		.56			--			
04/03/72	5050	20.00	10.7	64.4F	8.0	882	--	--	--	--	--	--	--	--	--	--	--			15A
1255	5050		112	18.0C		870											--			
05/09/72	5050	20.60	8.6	68.0F	7.6	409	--	--	36	--	0	210	--	14	--	.70	--		141	4A
1235	5050		94	20.0C	7.9	414			1.57		.00	3.44		.39			--			
06/12/72	5050	20.40	9.2	70.7F	7.9	506	--	--	48	--	0	216	--	23	--	.50	--		171	4A
1125	5050	.0	104	21.5C	7.2	513			2.09		.00	3.54		.65			--			
07/26/72	5050	20.50	9.8	71.6F	8.2		--	--	64	--	0	334	--	30	--	1.00	--		220	9A
1310	5050		111	22.0C	7.7	634			2.78		.00	5.47		.85			--			
08/15/72	5050	20.50	6.2	68.0F	7.8		--	--	79	--	0	361	--	36	--	1.10	--		240	17A
1215	5050		68	20.0C	7.8	719			3.44		.00	5.92		1.02			--			
09/19/72	5050	20.60	6.1	66 F	7.4		--	--	50	--	0	229	--	29	--	.80	--		163	12A
1325	5050		65	19 C	7.7	508			2.18		.00	3.75		.82			--			
	AO	2955.00			R-D 787 DRAINAGE TO SACRAMENTO RIVER															
10/27/71	5050	19.40	8.8	56.3F	8.0	877	--	--	65	--	0	415	--	57	--	.70	--		375	25E
1530	5050		84	13.5C	8.0	935			2.83		.00	6.80		1.61			--			
11/23/71	5050	19.72	6.8	47.8F	7.9		66	57	65	1.3	0	428	110	62	.0	.80	--	615	400	70E
1330	5050		58	8.8C	8.3	968	3.29	4.69	2.83	.03	.00	7.01	2.29	1.75	.00		--	573	49	1.4
							30	43	26			63	21	16						
12/20/71	5050	19.75	10.3	43.7F	7.8		--	--	31	--	0	233	--	30	--	.20	--		222	35E
1330	5050		84	6.5C	7.8	538			1.35		.00	3.82		.85			--			
01/17/72	5050	18.90	9.5	42.6F	7.6		65	54	67	.8	0	384	115	54	.2	.50	--	490	383	35E
1315	5050		76	5.9C	8.2	909	3.24	4.44	2.91	.02	.00	6.29	2.39	1.52	.00		--	545	70	1.5
							31	42	27			62	23	15						
02/10/72	5050	19.00	9.1	51.4F	7.6		--	--	39	--	0	270	--	32	--	.40	--		260	40E
1340	5050		82	10.8C	7.8	626			1.70		.00	4.43		.90			--			
03/15/72	5050	19.35	8.3	66.2F	7.4	339	--	--	--	--	--	--	--	--	--	--	--			37A
1320	5050		89	19.0C													--			
04/03/72	5050		8.9	63.5F	7.7	651	--	--	53	--	0	239	--	43	--	.40	--		236	27A
1400	5050		93	17.5C	7.8	642			2.31		.00	3.92		1.21			--			
05/09/72	5050	19.60	8.0	66.2F	7.2	393	--	--	38	--	0	147	--	27	--	.40	--		129	28A
1400	5050		86	19.0C	7.4	407			1.65		.00	2.41		.76			--			
06/12/72	5050	19.90	4.3	71.6F	7.3	468	--	--	43	--	0	182	--	19	--	.40	--		158	12A
1245	5050	.0	49	22.0C	7.3	476			1.87		.00	2.98		.54			--			
07/26/72	5050		4.8	77.0F	7.2		--	--	48	--	0	185	--	27	--	.60	--		149	64A
1425	5050		58	25.0C	7.2	469			2.09		.00	3.03		.76			--			
08/15/72	5050	20.10	6.1	68.9F	7.3		--	--	58	--	0	220	--	37	--	.60	--		178	28A
1330	5050		67	20.5C	7.6	554			2.52		.00	3.61		1.04			--			

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. Q DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB SAR
	A0	2955.00		R-D 787 DRAINAGE TO SACRAMENTO RIVER										CONTINUED						
09/19/72 1430	5050 5050	20.40	6.1 67	68 F 20 C	7.3 7.7	588	--	--	56 2.44	--	0 .00	233 3.82	--	40 1.13	--	.70	-- --		181	12A
	A0	2963.00		R-D 1660 DRAINAGE TO TISDALE BYPASS																
03/15/72 1020	5050 5050		9.2 93	60.8F 16.0C	8.1 7.6	239 235	18 .90 36	12 .99 40	13 .57 23	1.1 .03 1	0 .00	126 2.07 87	7.1 .15 6	5.9 .17 7	.1 .00	.00	-- --	115 119	94 0	27A 0.6
04/03/72 1100	5050 5050		10.2 107	64.4F 18.0C	7.8 7.5	218 215	--	--	13 .57	--	0 .00	111 1.82	--	8.3 .23	--	.10	-- --		86	27A
07/26/72 1010	5050 5050		8.1 97	77.0F 25.0C	7.6 7.4	439	--	--	27 1.17	--	0 .00	212 3.47	--	23 .65	--	.10	-- --		175	20A
09/19/72 1100	5050 5050		7.4 61	68 F 20 C	7.7 7.9	587	--	--	42 1.83	--	0 .00	317 5.20	--	46 1.30	--	.20	-- --		248	21A
	A0	2965.00		R-D 70 DRAINAGE TO SACRAMENTO RIVER																
10/27/71 1230	5050 5050	32.00	10.6 103	57.2F 14.0C	8.2 8.1	968 1010	--	--	83 3.61	--	0 .00	405 6.64	--	124 3.50	--	.20	-- --		357	30E
11/23/71 1050	5050 5050		10.5 91	48.2F 9.0C	8.1 8.2	642	35 1.75 26	35 2.88 42	50 2.18 32	1.2 .03	0 .00	254 4.16 63	24 .50 8	70 1.97 30	.0 .00	.10	-- --	372 340	226 24	45E 1.4
12/20/71 1010	5050 5050		10.2 82	42.8F 6.0C	8.0 7.9	464	--	--	36 1.57	--	0 .00	191 3.13	--	44 1.24	--	.10	-- --		164	20E
01/17/72 1030	5050 5050		11.5 90	41.0F 5.0C	8.3 8.4	856	51 2.54 27	46 3.78 40	73 3.18 33	1.2 .03	8.0 .27 3	316 5.18 55	34 .71 8	114 3.21 34	.0 .00	.20	-- --	480 483	319 44	15E 1.8
02/10/72 1030	5050 5050	36.50	9.2 80	49.1F 9.5C	7.3 7.3	392	--	--	25 1.09	--	0 .00	159 2.61	--	36 1.02	--	.10	-- --		144	40E
03/15/72 1000	5050 5050		8.6 86	60.4F 15.8C	7.6 7.4	538 547	--	--	37 1.61	--	0 .00	196 3.21	--	66 1.86	--	.20	-- --		207	13A
04/03/72 1035	5050 5050	33.50	8.4 87	63.0F 17.2C	7.6 7.9	596 590	--	--	46 2.00	--	0 .00	167 2.74	--	96 2.71	--	.10	-- --		193	27A
05/09/72 1015	5050 5050	34.20	9.7 102	64.4F 18.0C	7.8 7.9	476 498	--	--	40 1.74	--	0 .00	169 2.77	--	62 1.75	--	.10	-- --		162	15A
06/12/72 0930	5050 5050		6.5 72	68.9F 20.5C	7.5 7.7	631 633	--	--	50 2.18	--	0 .00	199 3.26	--	82 2.31	--	.10	-- --		205	16A
07/26/72 0950	5050 5050	34.00	7.0 83	75.2F 24.0C	7.6 7.4	542	--	--	46 2.00	--	0 .00	205 3.36	--	56 1.58	--	.20	-- --		176	26A
08/15/72 0905	5050 5050	33.70	7.0 77	68.0F 20.0C	7.4 7.8	601	--	--	56 2.44	--	0 .00	240 3.93	--	62 1.75	--	.20	-- --		199	12A
09/19/72 1040	5050 5050	33.60	7.5 80	66 F 19 C	7.9 7.9	677	--	--	59 2.57	--	0 .00	314 5.15	--	63 1.78	--	.20	-- --		239	26A
	A0	2967.00		BUTTE SLOUGH AT OUTFALL GATES																
02/10/72 0945	5050					274	--	--	--	--	--	--	--	--	--	--	-- --			32A
03/15/72 0745	5050					153	--	--	--	--	--	--	--	--	--	--	-- --			14A
04/03/72 0945	5050					134	--	--	--	--	--	--	--	--	--	--	-- --			25A
05/09/72 0935	5050					259	--	--	--	--	--	--	--	--	--	--	-- --			16A
06/12/72 0845	5050					314	--	--	--	--	--	--	--	--	--	--	-- --			28A
07/26/72 0805	5050					326	--	--	--	--	--	--	--	--	--	--	-- --			11A
08/15/72 0925	5050					364	--	--	--	--	--	--	--	--	--	--	-- --			25A
09/19/72 0955	5050					302	--	--	--	--	--	--	--	--	--	--	-- --			19A

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. Q DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	FIELD LABORATORY EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F	SIO2	TDS SUM	TH NCH	TURB SAR
	A0 2972.00			BUTTE SLOUGH NEAR MERIDIAN																	
10/27/71	5050	40.12	8.4	55.4F	7.1	212	--	--	14	--	0	112	--	11	--	.00	--			84	25E
1145	5050		80	13.0C	7.5	224			.61		.00	1.84		.31			--				
11/23/71	5050	41.31	8.9	49.1F	7.1		15	11	18	2.1	0	117	2.8	13	.0	.00	--		141	81	70E
1030	5050		78	9.5C	7.5	239	.75	.90	.78	.05	.00	1.92	.06	.37	.00		--		119	0	0.9
							30	36	31	2		82	3	16							
12/20/71	5050	40.70	10.8	41.0F	7.3		--	--	20	--	0	142	--	16	--	.10	--			106	45E
0945	5050		84	5.0C	7.5	284			.87		.00	2.33		.45			--				
01/17/72	5050	40.56	11.4	42.4F	7.3		19	12	21	2.0	0	134	8.2	15	.0	.00	--		151	99	25E
1000	5050		91	5.8C	7.8	266	.95	.99	.91	.05	.00	2.20	.17	.42	.00		--		143	0	0.9
							33	34	31	2		79	6	15							
02/10/72	5050	43.02	10.1	48.2F	7.3		--	--	17	--	0	141	--	9.3	--	.10	--			105	55E
1000	5050		87	9.0C	7.3	266			.74		.00	2.31		.26			--				
03/15/72	5050	44.38	8.8	59.4F	7.2	173	--	--	--	--	--	--	--	--	--	--	--				42A
0940	5050		87	15.2C													--				
04/03/72	5050		9.1	62.6F	7.2	146	--	--	--	--	--	--	--	--	--	--	--				24A
1000	5050		94	17.0C		138											--				
05/09/72	5050	43.43	8.8	62.6F	7.3	241	--	--	14	--	0	116	--	6.5	--	.10	--			92	17A
0945	5050		91	17.0C	7.6	242			.61		.00	1.90		.18			--				
06/12/72	5050	43.03	7.4	68.9F	7.4	283	--	--	18	--	0	152	--	5.1	--	.00	--			117	8A
0900	5050		82	20.5C	7.6	294			.78		.00	2.49		.14			--				
07/26/72	5050	42.09	7.4	75.2F	7.4		--	--	28	--	0	187	--	7.0	--	.10	--			145	17A
0920	5050		87	24.0C	7.5	333			1.22		.00	3.06		.20			--				
08/15/72	5050	41.49	7.5	67.1F	7.4		--	--	21	--	0	190	--	6.4	--	.10	--			145	7A
0935	5050		81	19.5C	7.5	329			.91		.00	3.11		.18			--				
09/19/72	5050	41.18	7.1	68 F	7.3		--	--	18	--	0	180	--	6.1	--	.10	--			127	10A
1015	5050		78	20 C	7.5	298			.78		.00	2.95		.17			--				
	A0 2976.00			COLUSA BASIN DRAIN AT HIGHWAY 20																	
10/27/71	5050	42.13	9.7	52.7F	7.7	590	--	--	--	--	--	--	--	--	--	--	--				23A
0900			89	11.5C													--				
11/23/71	5050	43.09	10.5	48.9F	7.7	541	--	--	--	--	--	--	--	--	--	--	--				33A
0945			92	9.4C													--				
12/20/71	5050	43.63	11.9	40.1F	8.1	994	--	--	--	--	--	--	--	--	--	--	--				24A
0845			92	4.5C													--				
01/17/72	5050	38.59	11.2	42.4F	8.0	1030	--	--	130	--	0	311	--	70	--	.40	--			252	140E
0915	5050		89	5.8C	8.0	1030			5.66		.00	5.10		1.97			--				
02/10/72	5050	38.00	10.0	48.2F	8.1	1392	--	--	186	--	32	297	--	116	--	.30	--			338	30A
0835	5050		86	9.0C	8.5	1430			8.09		1.07	4.87		3.27			--				
03/15/72	5050	37.98	8.8	59.0F	7.9	705	--	--	91	--	0	211	--	51	--	.30	--			193	36A
0825	5050		87	15.0C	7.7	737			3.96		.00	3.46		1.44			--				
04/03/72	5050		8.6	61.7F	7.7	392	21	22	32	1.8	0	145	39	36	1.4	.10	--		214	108	52A
0830	5050		88	16.5C	7.7	350	1.05	1.81	1.39	.05	.00	2.38	.81	1.02	.02		--		225	24	1.2
							24	42	32	1		56	19	24							
05/09/72	5050	44.06	8.2	65.3F	7.6	400	--	--	45	--	0	144	--	21	--	.20	--			114	66A
0830	5050		87	18.5C	8.1	422			1.96		.00	2.36		.59			--				
06/12/72	5050	41.12	6.9	68 F	8.2	611	--	--	--	--	--	--	--	--	--	--	--				51A
0715			75	20 C													--				
07/26/72	5050	40.90	7.1	70.7F	7.5		--	--	50	--	0	210	--	26	--	.30	--			159	28A
0805	5050		80	21.5C	7.5	512			2.18		.00	3.44		.73			--				
08/15/72	5050	40.84	7.4	66 F	7.6	553	--	--	--	--	--	--	--	--	--	--	--				28A
0800			79	19 C													--				
09/19/72	5050	42.14	8.4	63 F	7.5		--	--	50	--	0	202	--	24	--	.20	--			146	20A
0845	5050		87	17 C	7.8	470			2.18		.00	3.31		.68			--				
	A0 3220.01			THOMES CREEK AT RICHFIELD																	
05/18/72	5050		9.0	69.8F	7.9	207	--	--	4.0	--	0	103	--	3.2	--	.00	--			97	0A
1240	5050	75	101	21.0C	8.0	202			.17		.00	1.69		.09			--				

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. Q DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	FIELD LABORATORY EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB SAR
	AO	3320.00				ELDER CREEK AT GERBER														
12/06/71 1435	5050					520	--	--	--	--	--	--	--	--	--	--	-- --			2A
01/06/72 1400	5050	5.75 6.5				458	--	--	--	--	--	--	--	--	--	--	-- --			2A
02/08/72 1500	5050	6.94 400				361	--	--	--	--	--	--	--	--	--	--	-- --			1A
03/01/72 1345	5050	6.29 200				200	--	--	--	--	--	--	--	--	--	--	-- --			26A
04/17/72 1310	5050	5.93 10				266	--	--	--	--	--	--	--	--	--	--	-- --			1A
05/18/72 1300	5050	5.68 5.5				343	--	--	--	--	--	--	--	--	--	--	-- --			1A
	AO	3460.00				RED BANK CREEK NEAR RED BLUFF														
01/05/72	5050	4.18	13.0	35.6F	7.8	600	59	35	21	.7	0	257	70	34	.7	.10	--	330	292	2E
1000	5050	4.5	95	2.0C	8.0	613	2.94	2.88	.91	.02	.00	4.21	1.46	.96	.01		--	347	81	0.5
							44	43	13			63	22	14						
02/08/72 0845	5050 5050	4.29 11		45.5F 7.5C		577	--	--	--	--	--	--	--	--	--	--	-- --			1A
03/01/72 0830	5050 5050	4.26 8.5		47.3F 8.5C		551	--	--	--	--	--	--	--	--	--	--	-- --			0A
04/17/72 0845	5050 5050	4.09 2.5		58.1F 14.5C		541	--	--	--	--	--	--	--	--	--	--	-- --			0A
	AO	3520.50				COTTONWOOD CREEK AT COTTONWOOD														
10/26/71 0800	5050	96	8.8 82	53.6F 12.0C	7.1	235	--	--	--	--	--	--	--	--	--	--	-- --			3A
11/22/71 1430	5050	96	12.3 115	53.6F 12.0C	7.8	276	--	--	--	--	--	--	--	--	--	--	-- --			0A
12/07/71 0930	5050	304	12.4 98	41.0F 5.0C	7.6	343	--	--	--	--	--	--	--	--	--	--	-- --			2A
01/06/72	5050		13.4	39.2F	7.7	307	--	--	17	--	0	141	--	19	--	.00	--		140	3E
1000	5050	260	103	4.0C	7.9	333			.74		.00	2.31		.54			--			
02/09/72	5050		11.9	42.8F	7.6	288	--	--	12	--	4.0	127	--	12	--	.00	--		128	3A
0900	5050	508	97	6.0C	8.6	298			.52		.13	2.08		.34			--			
03/02/72	5050		11.5	46.0F	7.7	183	--	--	6.4	--	0	101	--	4.4	--	.00	--		88	34A
1015	5050	1660	98	7.8C	7.7	193			.28		.00	1.66		.12			--			
04/14/72	5050		11.1	51.8F	8.0	203	--	--	7.3	--	0	106	--	5.3	--	.00	--		92	2A
0915	5050	564	102	11.0C	7.8	208			.32		.00	1.74		.15			--			
05/08/72 0855	5050	340	11.2 111	58.1F 14.5C	7.4	214	--	--	--	--	--	--	--	--	--	--	-- --			1A
06/01/72 0800	5050	214	7.3 82	70 F 21 C	7.4	206	--	--	--	--	--	--	--	--	--	--	-- --			1A
07/21/72	5050		9.2	69.8F	7.1		--	--	7.8	--	0	106	--	5.4	--	.00	--		80	1A
0915	5050	57	104	21.0C	7.3	199			.34		.00	1.74		.15			--			
08/08/72 0800	5050	59	6.7 78	72.5F 22.5C	7.0	198	--	--	--	--	--	--	--	--	--	--	-- --			2A
09/22/72 0815	5050	52	8.5 89	63 F 17 C	7.0	182	--	--	--	--	--	--	--	--	--	--	-- --			1A
	AO	3540.00				COTTONWOOD CREEK BELOW NORTH FORK COTTONWOOD CREEK														
11/22/71	5050		11.4	53.6F	7.7	247	24	12	9.7	2.1	0	129	7.9	11	.0	.00	--	152	111	
1400	5050	52	107	12.0C	7.9	259	1.20	.99	.42	.05	.00	2.11	.16	.31	.00		--	130	4	0.4
							45	37	16	2		82	6	12						
01/06/72	5050		13.9	35.6F	7.8	270	--	--	11	--	0	131	--	10	--	.00	--		125	2E
1030	5050	149	102	2.0C	7.9	282			.48		.00	2.15		.28			--			
03/02/72 1100	5050	1290	11.4 98	46 F 8 C	7.8	203	--	--	--	--	--	--	--	--	--	--	-- --			80A
05/08/72 0945	5050	5.70 147	10.7 112	63 F 17 C	7.8	220	--	--	--	--	--	--	--	--	--	--	-- --			0A

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. Q DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	FIELD LABORATORY EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F	SIO2	MILLIGRAMS PER LITER: TDS SUM	TH NCH	TURB SAR
	AO	3540.00		COTTONWOOD CREEK BELOW NORTH FORK COTTONWOOD CREEK CONTINUED																	
07/21/72 0955	5050	16	6.9 80	72.5F 22.5C	7.2	323	--	--	--	--	--	--	--	--	--	--	-- --				11A
09/22/72 0845	5050	4.2	6.6 73	67.1F 19.5C	7.1	340	--	--	--	--	--	--	--	--	--	--	-- --				1A
	AO	3595.00		COTTONWOOD CREEK, SOUTH FORK, NEAR COTTONWOOD																	
11/22/71 1450	5050	1.82 15	12.8 121	54.0F 12.2C	8.1	412	--	--	--	--	--	--	--	--	--	--	-- --				1A
01/06/72 0930	5050	2.36 64	13.6 102	37.4F 3.0C	7.7 7.9	457 358	--	--	21 .91	--	0 .00	137 2.25	--	28 .79	--	.10	-- --			144	2E
03/02/72 0930	5050 5050	580	11.7 100	46.0F 7.8C	7.5 7.9	150 155	20 1.00 62	3.9 .32 20	6.4 .28 17	.5 .01 1	0 .00	76 1.25 83	6.6 .14 9	4.3 .12 8	.1 .00	.00	-- --	78 79	65 4	65A 0.3	
05/08/72 0815	5050	2.33 108	10.8 104	55 F 13 C	7.9	203	--	--	--	--	--	--	--	--	--	--	-- --				0A
	AO	4321.01		DEER CREEK AT HIGHWAY 99E																	
10/15/71 1115	5050 5050	109	12.9 128	59.0F 15.0C	8.1 8.2	162 170	--	--	10 .44	--	0 .00	96 1.57	--	5.2 .15	--	.10	-- --			68	2E
11/02/71 1255	5050 5050	113	12.7 116	51.8F 11.0C	7.9 7.8	151 155	--	--	10 .44	--	0 .00	87 1.43	--	4.5 .13	--	.20	-- --			60	1E
12/06/71 1330	5050 5050	286	12.1 104	47.3F 8.5C	7.8 7.9	147 150	--	--	10 .44	--	0 .00	83 1.36	--	3.6 .10	--	.20	-- --			53	1E
01/05/72 1500	5050 5050	147	13.2 104	41.4F 5.2C	7.5 7.8	141 145	--	--	10 .44	--	0 .00	80 1.31	--	4.0 .11	--	.10	-- --			54	3E
02/08/72 1230	5050 5050	217	12.3 103	45.5F 7.5C	7.6 8.3	116 123	--	--	7.2 .31	--	0 .00	67 1.10	--	3.8 .11	--	.00	-- --			54	1A
03/01/72 1300	5050 5050	765	12.3 102	45.1F 7.3C	7.3 7.3	75 74	--	--	3.9 .17	--	0 .00	42 .69	--	1.9 .05	--	.00	-- --			29	2A
04/17/72 1145	5050 5050	535	11.2 105	54.5F 12.5C	7.5 7.6	92 87	--	--	4.4 .19	--	0 .00	49 .80	--	.4 .01	--	.00	-- --			35	2A
05/18/72 1150	5050 5050	215	10.3 111	66.2F 19.0C	8.1 7.9	119 119	--	--	6.6 .29	--	0 .00	68 1.11	--	3.1 .09	--	.10	-- --			46	0A
06/02/72 1120	5050 5050	168	9.3 104	69.8F 21.0C	8.0 7.6	119 130	--	--	8.1 .35	--	0 .00	69 1.13	--	2.0 .06	--	.00	-- --			49	0A
07/20/72 1145	5050 5050	102	11.8 148	80.6F 27.0C	8.3 7.8	265	--	--	12 .52	--	0 .00	152 2.49	--	5.3 .15	--	.20	-- --			106	1A
08/07/72 1200	5050 5050	88	11.3 150	86.9F 30.5C	8.4 7.8	241	--	--	13 .57	--	0 .00	138 2.26	--	6.0 .17	--	.20	-- --			104	0A
09/21/72 1215	5050 5050	90	14.0 169	77.0F 25.0C	8.4 8.2	251 264	20 1.00 35	15 1.23 44	12 .52 18	2.7 .07 2	0 .00	153 2.51 89	5.9 .12 4	6.0 .17 6	.4 .01	.20	-- --	170 137	112 0	1A 0.5	
	AO	4420.50		MILL CREEK NEAR MOUTH NEAR LOS MOLINOS																	
10/15/71 1145	5050	119				185	--	--	--	--	--	--	--	--	--	--	-- --				1A
11/02/71 1315	5050	126	12.2 109	50.0F 10.0C	7.5	180	--	--	--	--	--	--	--	--	--	--	-- --				2A
12/06/71 1400	5050	185				207	--	--	--	--	--	--	--	--	--	--	-- --				1A
01/05/72 1525	5050		13.4 103	38.8F 3.8C	7.5	187	--	--	--	--	--	--	--	--	--	--	-- --				1A
02/08/72 1300	5050	208				152	--	--	--	--	--	--	--	--	--	--	-- --				1A
03/01/72 1315	5050 5050	550	12.8 107	45.1F 7.3C	7.3 7.4	97 100	--	--	7.3 .32	--	0 .00	39 .64	--	3.4 .10	--	.30	-- --			32	3A
04/17/72 1245	5050	117				122	--	--	--	--	--	--	--	--	--	--	-- --				1A
05/18/72 1215	5050	357	10.0 102	61 F 16 C	7.8	112	--	--	--	--	--	--	--	--	--	--	-- --				2A

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. O DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB SAR
	A0	4420.50			MILL CREEK NEAR MOUTH NEAR LOS MOLINOS									CONTINUED						
06/02/72 1145	5050	158				106	--	--	--	--	--	--	--	--	--	--	--			7A
07/20/72 1215	5050 5050	236	11.0 135	77.9F 25.5C	7.6 7.6	207	--	--	15 .65	--	0 .00	74 1.21	--	17 .48	--	.50	-- --		64	0A
08/07/72 1230	5050	109				213	--	--	--	--	--	--	--	--	--	--	-- --			0A
09/21/72 1230	5050	97				238	--	--	--	--	--	--	--	--	--	--	-- --			0A
	A0	4520.50			ANTELOPE CREEK NEAR MOUTH NEAR RED BLUFF															
10/15/71 1200	5050 5050	45	10.4 100	56.3F 13.5C	7.3 7.8	198 210	12 .60 32	7.0 .58 31	14 .61 32	3.7 .09 5	0 .00	64 1.05 55	14 .29 15	20 .56 29	.6 .01 1	.70	-- --	117 103	59 7	3E 0.8
12/06/71 1410	5050					208	--	--	--	--	--	--	--	--	--	--	-- --			1A
01/05/72 1140	5050					165	--	--	--	--	--	--	--	--	--	--	-- --			1A
02/01/72 1315	5050 5050		11.5 98	46.4F 8.0C	7.2 7.4	101 102	--	--	4.6 .20	--	0 .00	55 .90	--	2.8 .08	--	.00	-- --		42	3A
02/08/72 1315	5050		11.8 107	51.4F 10.8C	7.3	105	--	--	--	--	--	--	--	--	--	--	-- --			8E
04/17/72 1230	5050					126	--	--	--	--	--	--	--	--	--	--	-- --			2A
06/02/72 1200	5050	60				187	--	--	--	--	--	--	--	--	--	--	-- --			4A
08/07/72 1245	5050					255	--	--	--	--	--	--	--	--	--	--	-- --			6A
	A0	5103.00			FEATHER RIVER AT NICOLAUS															
10/20/71 1130	5050 5050	23.84 4880	10.6 101	56 F 13 C	7.3	81 84	--	--	--	--	--	--	--	--	--	--	-- --			6E
11/17/71 1400	5050 5050	24.52 5700	11.2 99	50 F 10 C	7.3	80 84	--	--	--	--	--	--	--	--	--	--	-- --			7E
12/15/71 0830	5050 5050	25.76 7890	12.0 99	45 F 7 C	7.4	83 84	--	--	--	--	--	--	--	--	--	--	-- --			8E
01/26/72 0920	5050 5050	23.97 4980	11.7 95	44 F 7 C	7.4	91 93	--	--	--	--	--	--	--	--	--	--	-- --			6E
02/16/72 0830	5050 5050	23.62 4400	11.7 99	47 F 8 C	7.3	94 95	--	--	--	--	--	--	--	--	--	--	-- --			5A
03/15/72 0830	5050 5050	23.21 3440	9.9 94	56 F 13 C	7.3	88 93	--	--	--	--	--	--	--	--	--	--	-- --			5A
04/03/72 1240	5050 5050	22.27 2680	9.5 99	64 F 18 C	7.4	97 101	--	--	--	--	--	--	--	--	--	--	-- --			2A
05/17/72 0810	5050 5050	22.15 2720	9.0 96	66 F 19 C	7.4	91 94	--	--	--	--	--	--	--	--	--	--	-- --			4A
06/21/72 0905	5050 5050	23.27 4310	8.6 96	70 F 21 C	7.5	95 85	--	--	--	--	--	--	--	--	--	--	-- --			6A
07/26/72 0945	5050 5050	24.17 5100	8.5 96	71 F 22 C	7.5 7.5	79 83	--	--	--	--	--	--	--	--	--	--	-- --			4A
08/16/72 0830	5050	24.63 5930	9.4 102	67 F 19 C	7.4	84	--	--	--	--	--	--	--	--	--	--	-- --			
09/19/72 1130	5050 5050	23.71 5030	9.9 102	63 F 17 C	7.3 7.3	85 91	--	--	--	--	--	--	--	--	--	--	-- --			2A

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. Q DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB SAR
	A0 6120.00				YUBA RIVER AT MARYSVILLE															
10/05/71	5050		11.6	54 F	7.3	74	--	--	--	--	--	--	--	--	--	--	--			
1300			108	12 C													--			
11/02/71	5050		12.1	50 F	7.4	75	--	--	--	--	--	--	--	--	--	--	--			
1330			107	10 C													--			
12/06/71	5050		12.6	49 F	7.8	73	--	--	--	--	--	--	--	--	--	--	--			
1410			110	9 C													--			
01/05/72	5050		12.3	42 F	7.2	79	--	--	--	--	--	--	--	--	--	--	--			
0900			98	6 C													--			
02/03/72	5050		12.6	42 F	7.2	82	--	--	--	--	--	--	--	--	--	--	--			
1000			100	6 C													--			
03/02/72	5050		10.9	49 F	7.2	88	11	1.3	2.5	--	0	45	--	1.7	--	--	--		33	6A
0930	5050	932	95	9 C	7.3	92	.55	.11	.11		.00	.74		.05			--		0	0.2
							71	14	14											
03/30/72	5050		10.4	51 F	7.3	75	--	--	--	--	--	--	--	--	--	--	--			
1010			93	11 C													--			
05/03/72	5050		8.9	61 F	7.2	82	--	--	--	--	--	--	--	--	--	--	--			
0910			90	16 C													--			
05/19/72	5050			60 F		79	--	--	--	--	--	--	--	--	--	--	--			
1400				16 C													--			
06/01/72	5050		9.5	67 F		75	--	--	--	--	--	--	--	--	--	--	--			
1330			103	19 C													--			
06/27/72	5050		8.3	68 F	7.2	79	--	--	--	--	--	--	--	--	--	--	--			
0915			91	20 C													--			
07/27/72	5050		9.2	68 F	7.4	70	--	--	--	--	--	--	--	--	--	--	--			
1000			101	20 C													--			
08/29/72	5050		9.7	64 F	7.3	69	--	--	--	--	--	--	--	--	--	--	--			
1000			102	18 C													--			
	A0 6550.00				BEAR RIVER NEAR WHEATLAND															
10/05/71	5050		9.5	72 F	7.7	76	--	--	--	--	--	--	--	--	--	--	--			
1300			109	22 C													--			
11/02/71	5050		10.6	59 F	7.6	66	--	--	--	--	--	--	--	--	--	--	--			
1500			105	15 C													--			
12/06/71	5050		11.5	55 F	8.1	73	--	--	--	--	--	--	--	--	--	--	--			
1520			109	13 C													--			
01/05/72	5050	5.05	12.9	42 F	7.3	94	7.3	4.8	3.7	--	0	34	--	4.4	--	--	--		38	9E
1030	5050	88	102	6 C	7.2	94	.36	.39	.16		.00	.56		.12			--		10	0.3
							40	43	18											
02/03/72	5050		11.9	42 F	7.2	84	--	--	--	--	--	--	--	--	--	--	--			
1015			94	6 C													--			
03/02/72	5050	7.20	10.9	52 F	7.4	83	8.2	3.3	2.9	--	0	35	--	3.9	--	--	--		34	3A
0840	5050	1080	99	11 C	7.1	84	.41	.27	.13		.00	.57		.11			--		6	0.2
							51	33	16											
03/30/72	5050		10.3	53 F	7.3	77	--	--	--	--	--	--	--	--	--	--	--			
0915			95	12 C													--			
05/03/72	5050	4.74	8.7	65 F	7.3	118	11	5.5	4.8	--	0	49	--	4.6	--	--	--		50	1.1A
0800	5050	30	92	18 C	7.7	122	.55	.45	.21		.00	.80		.13			--		10	0.3
							45	37	17											
06/01/72	5050		8.9	85 F		135	--	--	--	--	--	--	--	--	--	--	--			
1430			116	29 C													--			
06/27/72	5050	4.12	7.6	74 F	7.5	138	12	7.8	4.4	--	0	64	--	9.1	--	--	--		62	2A
0800	5050	12	89	23 C	7.5	144	.60	.64	.19		.00	1.05		.26			--		10	0.2
							42	45	13											
07/28/72	5050		7.6	77 F	7.7	130	--	--	--	--	--	--	--	--	--	--	--			
0900			91	25 C													--			
08/29/72	5050		6.9	78 F	7.3	130	--	--	--	--	--	--	--	--	--	--	--			
1300			84	26 C													--			

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. Q DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB SAR
	A0	7140.10			AMERICAN RIVER AT SACRAMENTO WATER PLANT															
10/06/71 0850	5050		9.1 89	58 F 14 C	7.0	46	--	--	--	--	--	--	--	--	--	--	-- --			
11/03/71 0945	5050		9.8 93	56 F 13 C	7.0	55	--	--	--	--	--	--	--	--	--	--	-- --			
12/07/71 1315	5050		11.2 99	50 F 10 C	7.2	54	--	--	--	--	--	--	--	--	--	--	-- --			
01/19/72 0930	5050		11.5 95	45 F 7 C	7.0	59	--	--	--	--	--	--	--	--	--	--	-- --			
02/18/72 1415	5050		12.4 107	48 F 9 C	7.2 7.1	58 59	6.2 .31 55	1.8 .15 27	2.2 .10 18	--	0 .00	26 .43	--	3.1 .09	--	--	-- --		23 2	1A 0.2
03/09/72 0845	5050		10.9 95	49 F 9 C	7.2	63	--	--	--	--	--	--	--	--	--	--	-- --			
04/17/72 1305	5050		10.6 101	56 F 13 C	7.2	63	--	--	--	--	--	--	--	--	--	--	-- --			
05/02/72 1500	5050		10.6 106	60 F 16 C	7.2	68	--	--	--	--	--	--	--	--	--	--	-- --			
06/05/72 1230	5050		10.3 104	61 F 16 C	7.2	56	--	--	--	--	--	--	--	--	--	--	-- --			
06/21/72 1400	5050		10.4 108	63 F 17 C	7.2	57	--	--	--	--	--	--	--	--	--	--	-- --			
07/21/72 1330	5050		10.0 107	66 F 19 C	7.2	56	--	--	--	--	--	--	--	--	--	--	-- --			
08/23/72 0820	5050		9.0 94	64 F 18 C	7.1	56	--	--	--	--	--	--	--	--	--	--	-- --			
09/20/72 1315	5050		9.7 104	66 F 19 C	7.1	50	--	--	--	--	--	--	--	--	--	--	-- --			
	A1	1020.00			PIT RIVER NEAR MONTGOMERY CREEK															
11/17/71 1005	5050	2670	11.7 101	45.5F 7.5C	7.4	147	--	--	--	--	--	--	--	--	--	--	-- --			2A
01/05/72 1045	5050	7850	12.4 100	41.0F 5.0C	7.3	146	--	--	--	--	--	--	--	--	--	--	-- --			3A
03/07/72 1015	5050	13800	11.4 104	50 F 10 C	7.3	116	--	--	--	--	--	--	--	--	--	--	-- --			64A
05/16/72 1010	5050 5050	8080	10.0 102	59.0F 15.0C	7.9 7.8	133 132	--	--	7.9 .34	--	0 .00	76 1.25	--	2.5 .07	--	.00	-- --		49	4A
07/18/72 1030	5050	6920	9.1 103	68 F 20 C	8.1	122	--	--	--	--	--	--	--	--	--	--	-- --			1A
09/07/72 1030	5050	3830	9.3 101	64 F 18 C	8.0	138	--	--	--	--	--	--	--	--	--	--	-- --			0A
	A1	1680.00			PIT RIVER NEAR CANBY															
10/12/71 1530	5050 5050	2.76 114	9.5 110	59.9F 15.5C	7.9 7.9	236 248	19 .95 37	7.9 .65 25	19 .83 33	4.8 .12 5	0 .00	128 2.10 86	8.6 .18 7	4.8 .14 6	1.0 .02 1	.20	-- --	140 128	80 0	40E 0.9
11/17/71 1300	5050	2.83 133	13.0 110	36.5F 2.5C	8.1	238	--	--	--	--	--	--	--	--	--	--	-- --			12A
12/06/71 1530	5050	2.93 163	12.0 100	35.6F 2.0C	7.7	283	--	--	--	--	--	--	--	--	--	--	-- --			22A
01/05/72 1245	5050	97	12.7 100	32.0F 0.0C	7.5	262	--	--	--	--	--	--	--	--	--	--	-- --			9A
02/02/72 1535	5050	220	11.9 94	32.4F 0.2C	7.4	268	--	--	--	--	--	--	--	--	--	--	-- --			23E
03/07/72 1230	5050 5050	7.05 2760	9.5 93	46.4F 8.0C	7.3 7.2	144 137	--	--	12 .52	--	0 .00	69 1.13	--	3.6 .10	--	.00	-- --		48	62A
04/05/72 1600	5050 5050	4.02 671	9.5 100	51.8F 11.0C	7.6 7.7	170 171	--	--	5.2 .23	--	0 .00	87 1.43	--	2.2 .06	--	.00	-- --		58	26A

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. O DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB SAR
	A1	1680.00			PIT RIVER NEAR CANBY										CONTINUED					
05/16/72	5050	3.11	7.7	59.0F	7.7	198	--	--	15	--	0	104	--	2.5	--	.10	--		67	16A
0745	5050	224	88	15.0C	7.8	193			.65		.00	1.70		.07			--			
06/16/72	5050	3.16	7.3	70.7F	7.7	178	--	--	--	--	--	--	--	--	--	--	--			27A
0830		243	95	21.5C													--			
07/18/72	5050	2.34	6.6	72 F	8.0	211	--	--	--	--	--	--	--	--	--	--	--			42A
0830		18	87	22 C													--			
08/10/72	5050	2.64	7.0	69.8F	7.6		--	--	18	--	0	112	--	5.6	--	.20	--		79	40A
0830	5050	75	91	21.0C	7.3	209			.78		.00	1.84		.16			--			
09/07/72	5050	2.59	8.3	61 F	7.9	250	--	--	--	--	--	--	--	--	--	--	--			35A
0815		64	97	16 C													--			
	A1	4400.00			PIT RIVER, SOUTH FORK, NEAR LIKELY															
10/13/71	5050	2.23	10.8	46.4F	7.4	97	--	--	4.5	--	0	59	--	1.4	--	.00	--		39	6E
0830	5050	48	106	8.0C	7.9	101			.20		.00	.97		.04			--			
06/16/72	5050	3.08	9.0	54.5F	7.8	77	--	--	3.9	--	0	44	--	.0	--	.00	--		32	4A
0715	5050	169	99	12.5C	7.3	78			.17		.00	.72		.00			--			
	A2	1010.00			SACRAMENTO RIVER AT KESWICK															
10/26/71	5050		10.6	53.6F	7.1	111	--	--	5.0	--	0	57	.0	3.0	--	.00	--		43	15E
1000	5050	6000	100	12.0C	7.4	106			.22		.00	.93	.00	.08			--			
												92		8						
11/22/71	5050		9.3	51.8F	7.1		--	--	6.9	--	0	66	2.1	2.4	--	.00	--		49	6E
1130	5050	7000	85	11.0C	7.1	128			.30		.00	1.08	.04	.07			--			
												91	3	6						
12/07/71	5050		10.5	50.0F	7.2	130	--	--	7.8	--	0	69	--	1.4	--	.10	--		48	4E
1100	5050	7000	94	10.0C	7.3	127			.34		.00	1.13		.04			--			
01/06/72	5050		11.0	47.8F	7.3	123	--	--	8.4	--	0	66	4.9	3.0	--	.10	--		47	4E
1200	5050	7000	96	8.8C	7.3	125			.37		.00	1.08	.10	.08			--			
												86	8	6						
02/09/72	5050		11.6	45.5F	7.2	123	--	--	7.9	--	0	70	1.8	1.8	--	.00	--		47	4E
1115	5050	8000	98	7.5C	7.7	126			.34		.00	1.15	.04	.05			--			
												93	3	4						
03/13/72	5050		10.5	46.0F	8.1	125	--	--	7.0	--	0	68	4.4	1.6	--	.00	--		51	3A
1500	5050	14500	89	7.8C	7.6	124			.30		.00	1.11	.09	.05			--			
												89	7	4						
04/03/72	5050		10.2	46.4F	7.2	109	--	--	--	--	--	--	--	--	--	--	--			3A
0640	5050	7500	87	8.0C		108											--			
05/08/72	5050		11.0	48.2F	7.2	112	--	--	--	--	--	--	--	--	--	--	--			1A
1130	5050	11000	96	9.0C													--			
06/01/72	5050		10.6	50.0F	7.2	103	--	--	--	--	--	--	--	--	--	--	--			2A
0850	5050	10500	95	10.0C													--			
07/26/72	5050		9.8	50.0F	7.2		--	--	5.6	--	0	58	--	2.5	--	.10	--		43	4A
0545	5050	11500	88	10.0C	7.7	109			.24		.00	.95		.07			--			
08/08/72	5050		10.2	52 F	7.3	99	--	--	--	--	--	--	--	--	--	--	--			3A
0845	5050	10000	94	11 C													--			
09/19/72	5050		9.9	52 F	7.1		--	--	4.6	--	0	55	--	.8	--	.00	--		43	2A
0545	5050	9000	91	11 C	7.3	104			.20		.00	.90		.02			--			
	A2	1300.00			SACRAMENTO RIVER AT DELTA															
11/16/71	5050	4.04	12.7	41.9F	7.6	133	--	--	--	--	--	--	--	--	--	--	--			0A
1015		342	104	5.5C													--			
01/04/72	5050	4.25	13.9	34.7F	8.1	127	--	--	7.5	--	0	64	--	6.7	--	.10	--		51	3E
0945	5050	400	102	1.5C	7.7	130			.33		.00	1.05		.19			--			
03/06/72	5050	7.46	11.6	44.6F	7.3	91	--	--	--	--	--	--	--	--	--	--	--			28A
0945		3140	99	7.0C													--			
05/17/72	5050	5.44	11.2	52.2F	7.7	100	--	--	3.2	--	0	49	--	2.8	--	.00	--		39	0A
1300	5050	1070	105	11.2C	7.6	88			.14		.00	.80		.08			--			
07/18/72	5050	3.73	8.8	75 F	8.3	119	--	--	--	--	--	--	--	--	--	--	--			0A
1330		240	107	24 C													--			
09/07/72	5050	3.59	10.0	64 F	8.1	149	--	--	--	--	--	--	--	--	--	--	--			0A
1300		205	109	18 C													--			

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.M. Q DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB SAR
	A2	2150.00			MCCLOUD RIVER ABOVE SHASTA LAKE																
11/16/71 0915	5050	346	12.6 101	40.1F 4.5C	8.0	111	--	--	--	--	--	--	--	--	--	--	--	--			0A
01/04/72 0830	5050	201	13.2 97	34.7F 1.5C	8.1	120	--	--	--	--	--	--	--	--	--	--	--	--			5A
03/06/72 0830	5050	1310	11.2 98	46.4F 8.0C	7.3	98	--	--	--	--	--	--	--	--	--	--	--	--			1A
05/16/72 1245	5050	429	10.4 102	55 F 13 C	7.7	116	--	--	--	--	--	--	--	--	--	--	--	--			1A
07/18/72 1230	5050	320	9.1 101	66 F 19 C	7.9	101	--	--	--	--	--	--	--	--	--	--	--	--			1A
09/07/72 1215	5050	301	10.0 102	59 F 15 C	7.8	104	--	--	--	--	--	--	--	--	--	--	--	--			0A
	A3	1110.00			STONY CREEK BELOW BLACK BUTTE DAM																
10/15/71 1015	5050	213				312	--	--	--	--	--	--	--	--	--	--	--	--			91A
11/02/71 1130	5050	1.42 1.3	12.3 110	50.0F 10.0C	8.3	363	--	--	--	--	--	--	--	--	--	--	--	--			32A
12/06/71 1230	5050	32				372	--	--	--	--	--	--	--	--	--	--	--	--			4A
01/05/72 1400	5050	31	14.3 119	44.4F 6.9C	8.2 8.2	395 413	--	--	22 .96	--	0 .00	191 3.13 82	--	24 .68 18	.4 .01	.20	-- --		186	25E
02/08/72 1130	5050	31				335	--	--	--	--	--	--	--	--	--	--	--	--			42A
03/01/72 1200	5050	2.39 33				264	--	--	--	--	--	--	--	--	--	--	--	--			200A
04/10/72 1015	5050 5050	3.29 141	11.6 113	57.0F 13.9C	7.8 8.0	279	30 1.50 51	11 .90 31	12 .52 18	.9 .02 1	0 .00	119 1.95 70	20 .42 15	15 .42 15	.0 .00	.10	-- --	161 148	119 23	20A 0.5
05/08/72 1030	5050	3.27 642	10.8 110	61 F 16 C	8.0	281	--	--	--	--	--	--	--	--	--	--	--	--			17A
06/02/72 1015	5050	180				306	--	--	--	--	--	--	--	--	--	--	--	--			15A
07/20/72 1015	5050	3.35 219	9.2 106	72 F 22 C	7.9	279	--	--	--	--	--	--	--	--	--	--	--	--			63A
08/07/72 1030	5050	122				327	--	--	--	--	--	--	--	--	--	--	--	--			48A
09/21/72 1100	5050	3.45 174	9.6 110	72 F 22 C	8.1	335	--	--	--	--	--	--	--	--	--	--	--	--			27A
	A3	1250.00			STONY CREEK NEAR FRUTO																
10/15/71 0930	5050	221	10.3 104	59.0F 15.0C	8.1	345	--	--	--	--	--	--	--	--	--	--	--	--			57A
11/02/71 1045	5050 5050	237	11.4 101	49.1F 9.5C	8.2 8.2	384 401	--	--	17 .74	--	0 .00	205 3.36 86	--	19 .54 14	.2 .00	.20	-- --		177	55E
12/06/71 1130	5050 5050	254	12.1 100	43.7F 6.5C	7.6 7.6	224 241	--	--	7.4 .32	--	0 .00	84 1.38 88	--	6.6 .19 12	.2 .00	.10	-- --		104	350E
01/05/72 1230	5050 5050	68	13.8 107	39.2F 4.0C	7.9 8.0	410 434	--	--	27 1.17	--	0 .00	123 2.02 63	--	43 1.21 37	.0 .00	.00	-- --		168	3E
02/08/72 1030	5050 5050	194	12.4 101	42.8F 6.0C	7.6 7.7	305 269	--	--	12 .52	--	0 .00	96 1.57 77	--	17 .48 23	.1 .00	.10	-- --		111	12A
03/01/72 1100	5050 5050	789	12.1 112	51.8F 11.0C	7.7 7.8	136 143	21 1.05 72	2.7 .22 15	3.9 .17 12	.4 .01 1	0 .00	66 1.08 79	11 .23 17	2.2 .06 4	.2 .00	.00	-- --	73 74	63 10	270A 0.2
04/10/72 1100	5050 5050	329	11.9 109	51.1F 10.6C	7.9 7.9	223	24 1.20 55	6.6 .54 25	10 .44 20	.6 .02 1	0 .00	95 1.56 72	13 .27 12	12 .34 16	.0 .00	.10	-- --	127 113	88 9	9A 0.5
05/01/72 0945	5050	463	9.9 102	61 F 16 C	8.0	234	--	--	--	--	--	--	--	--	--	--	--	--			9A

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. Q DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB SAR
	A3	1250.00			STONY CREEK NEAR FRUTO															CONTINUED
06/02/72 0930	5050	393	9.4 101	64 F 18 C	8.0	288	--	--	--	--	--	--	--	--	--	--	-- --			11A
07/20/72 0930	5050	9.6	8.3 98	73.4F 23.0C	7.9	283	--	--	--	--	--	--	--	--	--	--	-- --			1A
08/07/72 0945	5050	8.0	7.6 95	79 F 26 C	8.0	322	--	--	--	--	--	--	--	--	--	--	-- --			1A
09/21/72 1000	5050	295	8.4 95	68.9F 20.5C	8.0	332	--	--	--	--	--	--	--	--	--	--	-- --			36A
	A3	1302.00			GRINDSTONE CREEK NEAR ELK CREEK																
11/02/71 1010	5050	9.22	10.6 99	52.7F 11.5C	7.8	494	--	--	--	--	--	--	--	--	--	--	-- --			2A
01/05/72 1245	5050 5050	9.55	13.2 105	40.8F 4.9C	7.7 7.9	304 325	--	--	14 .61	--	0 .00	108 1.77 82	--	13 .37 17	.4 .01	.10	-- --		140	2E
03/01/72 1015	5050 5050	10.36	12.4 101	42.4F 5.8C	7.7 7.8	126 135	20 1.00 75	2.2 .18 14	3.2 .14 11	.5 .01 1	0 .00	64 1.05 82	10 .21 16	.8 .02 2	.2 .00	.00	-- --	68 68	60 7	275A 0.2
05/18/72 0900	5050 5050	9.62	9.8 103	62.6F 17.0C	7.8 7.9	195 192	--	--	5.0 .22	--	0 .00	89 1.46	--	3.9 .11	--	.00	-- --		87	1A
07/20/72 0900	5050	9.91	8.4 97	72 F 22 C	8.1	303	--	--	--	--	--	--	--	--	--	--	-- --			1A
09/21/72 0930	5050 5050	10.09	8.0 86	64.4F 18.0C	7.6 7.8	392 415	--	--	14 .61	--	0 .00	157 2.57	--	19 .54	--	.10	-- --		169	0A
	A3	2120.00			THOMES CREEK AT PASKENTA																
10/15/71 0830	5050	2.58 5.9	10.0 87	47.3F 8.5C	7.9	386	--	--	--	--	--	--	--	--	--	--	-- --			0A
11/02/71 0915	5050	2.68 12	11.6 101	47.3F 8.5C	8.0	419	--	--	--	--	--	--	--	--	--	--	-- --			0A
12/06/71 0915	5050 5050	3.06 378	11.4 91	41.0F 5.0C	7.7 7.7	244 252	--	--	8.6 .37	--	0 .00	100 1.64 91	--	5.7 .16 9	.4 .01 1	.20	-- --		108	65E
01/05/72 1100	5050	3.50 79	14.3 105	35.2F 1.8C	7.9	235	--	--	--	--	--	--	--	--	--	--	-- --			1A
02/08/72 0930	5050	4.52 190	12.3 98	41.0F 5.0C	7.7	189	--	--	--	--	--	--	--	--	--	--	-- --			20A
03/01/72 0915	5050 5050	5.64 1010	12.4 99	41.0F 5.0C	7.5 7.6	104 110	16 .80 74	2.0 .16 15	2.5 .11 10	.4 .01 1	0 .00	54 .89 86	6.6 .14 14	.0 .00	.0 .00	.00	-- --	56 54	48 4	130A 0.2
04/17/72 1015	5050 5050	5.01 322	11.1 99	48.6F 9.2C	7.6 7.7	125 131	--	--	3.0 .13	--	0 .00	65 1.07	--	.6 .02	--	.00	-- --		59	5A
05/18/72 0815	5050 5050	4.11 140	10.0 95	53.6F 12.0C	7.7 7.7	156 142	--	--	3.5 .15	--	0 .00	68 1.11 94	--	2.6 .07 6	.0 .00	.10	-- --		64	1A
06/02/72 0830	5050	3.81 94	9.3 100	64 F 18 C	7.9	144	--	--	--	--	--	--	--	--	--	--	-- --			0A
07/20/72 0815	5050 5050	3.69 9.8	8.4 98	71.6F 22.0C	8.1 7.7	296	--	--	9.7 .42	--	0 .00	120 1.97 79	--	18 .51 21	.0 .00	.20	-- --		116	0A
08/07/72 0845	5050	3.52 4.8	8.5 104	77 F 25 C	8.1	320	--	--	--	--	--	--	--	--	--	--	-- --			0A
09/21/72 0845	5050	3.75 2.7	9.1 96	63 F 17 C	7.8	396	--	--	--	--	--	--	--	--	--	--	-- --			1A
	A3	3110.00			ELDER CREEK NEAR PASKENTA																
04/17/72 0915	5050 5050	1.69 49	11.3 101	49.1F 9.5C	7.9 8.0	226 235	--	--	9.6 .42	--	0 .00	108 1.77	--	14 .39	--	.00	-- --		97	1A
09/21/72 0800	5050 5050	0.86 41	9.4 91	55.4F 13.0C	7.6 7.7	2144 2180	86 4.29 22	58 4.77 24	238 10.35 53	3.6 .09	0 .00	137 2.25 12	14 .29 2	586 16.53 87	.3 .00	.30	-- --	1180 1054	453 341	1A 4.9

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. O DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	FIELD LABORATORY EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB SAR
	A3	6130.00				CLEAR CREEK NEAR IGO														
04/14/72 1015	5050	2.77 106	12.0 106	48 F 9 C	7.4	82	--	--	--	--	--	--	--	--	--	--	-- --			1A
09/22/72 0930	5050 5050	2.38 48	10.1 100	57.2F 14.0C	7.4 7.5	87 88	--	--	2.8 .12	--	0 .00	48 .79	--	3.6 .10	--	.00	-- --		39	0A
	A4	1110.00				BUTTE CREEK NEAR CHICO														
11/18/71 1300	5050	1.40 132	13.0 107	43.7F 6.5C	7.4	108	--	--	--	--	--	--	--	--	--	--	-- --			0A
01/06/72 1300	5050	1.50 175	14.4 108	37.4F 3.0C	7.4	110	--	--	--	--	--	--	--	--	--	--	-- --			0A
03/08/72 1200	5050	2.27 552	11.8 107	50.9F 10.5C	7.5	70	--	--	--	--	--	--	--	--	--	--	-- --			1A
05/10/72 1045	5050	1.97 1080	11.3 104	52.7F 11.5C	7.4	72	--	--	--	--	--	--	--	--	--	--	-- --			0A
07/17/72 0805	5050	1.38 135	8.7 96	68 F 20 C	7.6	93	--	--	--	--	--	--	--	--	--	--	-- --			1A
09/06/72 0830	5050	1.31 110	9.4 97	61.7F 16.5C	7.5	105	--	--	--	--	--	--	--	--	--	--	-- --			0A
	A4	2110.00				BIG CHICO CREEK NEAR CHICO														
11/18/71 1330	5050	2.08 30	12.6 105	44.6F 7.0C	7.8	193	--	--	--	--	--	--	--	--	--	--	-- --			0A
01/06/72 1345	5050 5050	2.28 48	14.0 105	37.4F 3.0C	7.5 7.8	159 165	--	--	11 .48	--	0 .00	81 1.33	--	9.6 .27	--	.20	-- --		66	2E
01/22/72 0925	5050 5050	3.83	12.7 101	41.9F 5.5C	7.2 7.3	76 84	--	--	4.0 .17	--	0 .00	45 .74	--	4.7 .13	--	.00	-- --		34	1A
03/08/72 1230	5050	2.86 122	11.3 103	52 F 11 C	7.5	106	--	--	--	--	--	--	--	--	--	--	-- --			4A
05/10/72 1130	5050	2.31 50	10.7 105	57.6F 14.2C	7.9	160	--	--	--	--	--	--	--	--	--	--	-- --			0A
07/17/72 0730	5050	2.33 20	7.9 94	75.2F 24.0C	7.9	206	--	--	--	--	--	--	--	--	--	--	-- --			1A
09/06/72 0745	5050	1.94 17	8.9 100	70 F 21 C	7.8	197	--	--	--	--	--	--	--	--	--	--	-- --			0A
	A4	5110.50				ANTELOPE CREEK NEAR RED BLUFF														
10/15/71 1230	5050 5050	45	11.6 116	59.0F 15.0C	8.2 8.2	143 149	--	--	9.4 .41	--	0 .00	79 1.29	--	8.6 .24	--	.00	-- --		67	2E
02/08/72 1345	5050	117	12.5 106	46 F 8 C	7.7	105	--	--	--	--	--	--	--	--	--	--	-- --			1E
	A4	6050.01				PAYNES CREEK NEAR RED BLUFF														
10/15/71 1300	5050	8.5				208	--	--	--	--	--	--	--	--	--	--	-- --			1A
11/02/71 1430	5050	10				226	--	--	--	--	--	--	--	--	--	--	-- --			3A
12/06/71 1515	5050	15				219	--	--	--	--	--	--	--	--	--	--	-- --			27A
01/06/72 1430	5050	30				210	--	--	--	--	--	--	--	--	--	--	-- --			2A
02/08/72 1420	5050	30				137	--	--	--	--	--	--	--	--	--	--	-- --			6A
03/01/72 1430	5050	60				126	--	--	--	--	--	--	--	--	--	--	-- --			3A
04/07/72 1445	5050	65				160	--	--	--	--	--	--	--	--	--	--	-- --			2A
05/18/72 1335	5050	30				223	--	--	--	--	--	--	--	--	--	--	-- --			2A

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. Q DEPTH	DO SAT	TEMP	FIELD PH	FIELD EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F	SIO2	TDS SUM	TH NCH	TURB SAR
	A4	6050.01				PAYNES CREEK NEAR RED BLUFF												CONTINUED			
06/01/72 1700	5050	25				216	--	--	--	--	--	--	--	--	--	--	-- --				1A
07/20/72 1300	5050	15				234	--	--	--	--	--	--	--	--	--	--	-- --				2A
08/07/72 1345	5050	13				213	--	--	--	--	--	--	--	--	--	--	-- --				1A
09/21/72 1315	5050	13				233	--	--	--	--	--	--	--	--	--	--	-- --				2A
	A4	7110.00				BATTLE CREEK NEAR COTTONWOOD															
10/26/71 0835	5050	2.00 311	11.5 102	50 F 10 C	7.4	134	--	--	--	--	--	--	--	--	--	--	-- --				2A
02/09/72 0945	5050 5050	2.12 407	11.8 99	46.4F 8.0C	7.4 8.4	127 136	--	--	7.2 .31	--	1.0 .03	75 1.23	--	2.1 .06	--	.00	-- --		56		2A
	A4	8110.00				COW CREEK NEAR MILLVILLE															
11/22/71 1330	5050	140				138	--	--	--	--	--	--	--	--	--	--	-- --				1A
01/06/72 1115	5050	198				144	--	--	--	--	--	--	--	--	--	--	-- --				2A
03/02/72 1200	5050	5.75 2260				91	--	--	--	--	--	--	--	--	--	--	-- --				12A
05/08/72 1230	5050 5050	3.60 370	10.9 110	59.9F 15.5C	7.4 7.8	118 117	--	--	5.8 .25	--	0 .00	55 .90	--	6.2 .17	--	.10	-- --		44		1A
07/21/72 1045	5050	32				179	--	--	--	--	--	--	--	--	--	--	-- --				24A
09/22/72 1015	5050 5050	2.33 10	9.1 101	68.0F 20.0C	7.8 7.7	178 180	--	--	10 .44	--	0 .00	95 1.56	--	8.1 .23	--	.10	-- --		68		2A
	A5	5420.00				FEATHER RIVER, MIDDLE FORK, NEAR PORTOLA															
09/13/72 0640	5050 5050		7.3 81	54.0F 12.2C	7.4 7.9	152 146	--	--	--	--	0 .00	78 1.28	--	--	--	.00	.1 --		53		
	A5	5480.00				BIG GRIZZLY CREEK NEAR PORTOLA															
09/13/72 0715	5050 5050		7.5 93	62.0F 16.7C	7.3 7.5	95 93	--	--	--	--	0 .00	54 .89	--	--	--	.00	.0 --		38		
	A5	5489.01				FEATHER RIVER, MIDDLE FORK, AT BECKWOURTH BRIDGE															
09/12/72 0745	5050 5050		4.6 50	53.4F 11.9C	7.3 7.8	360 372	--	--	--	--	0 .00	128 2.10	--	--	--	.60	.2 --		81		
	A5	5524.01				LITTLE LAST CHANCE CREEK NEAR FRENCHMAN DAM															
09/12/72 0900	5050 5050		9.0 95	49.2F 9.5C	7.7 8.2	131 122	--	--	--	--	0 .00	73 1.20	--	--	--	.00	.1 --		48		
	A5	5615.01				SMITHNECK CREEK BELOW LOYALTON SEWAGE LAGOON															
09/12/72 1115	5050 5050		8.6 97	56.0F 13.3C	7.8 7.7	190 192	--	--	--	--	0 .00	116 1.90	--	--	--	.00	.2 --		74		
	A5	5618.11				BEAR VALLEY CREEK ABOVE SMITHNECK CREEK															
09/12/72 0950	5050 5050		9.4 93	45.0F 7.2C	7.8 7.9	215 205	--	--	--	--	0 .00	130 2.13	--	--	--	.00	.1 --		88		
	A5	5619.01				SMITHNECK CREEK ABOVE BEAR VALLEY CREEK															
09/12/72 1015	5050 5050		9.1 96	50.2F 10.1C	8.1 7.8	160 153	--	--	--	--	0 .00	95 1.56	--	--	--	.00	.0 --		66		
	A5	5690.25				TURNER CANYON CREEK AT SATTLEY															
09/12/72 1235	5050 5050		9.1 105	57.8F 14.3C	7.9 7.6	130 112	--	--	--	--	0 .00	66 1.08	--	--	--	.00	.1 --		26		

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. Q DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB SAR
	A5	5810.00		COTTONWOOD CREEK NEAR SIERRAVILLE																
09/13/72	5050		9.3	44.2F	7.9	275	--	--	--	--	0	166	--	--	--	.00	.2		119	
0930	5050		93	6.8C	7.9	266					.00	2.72					--			
	A5	5820.01		COLD STREAM ABOVE COTTONWOOD CREEK																
09/13/72	5050			45.2F	7.9	136	--	--	--	--	0	79	--	--	--	.00	.0		51	
0945	5050			7.3C	7.6	130					.00	1.29					--			
	A6	1265.00		SQUIRREL CREEK NEAR PENN VALLEY																
07/17/72	5050			76 F		72	--	--	--	--	--	--	--	--	--	--	--			
1530				24 C													--			
07/27/72	5050		9.3	66 F	7.4	78	--	--	--	--	--	--	--	--	--	--	--			
1130			104	19 C													--			
08/29/72	5050		9.3	67 F	7.3	74	--	--	--	--	--	--	--	--	--	--	--			
1050			105	19 C													--			
09/29/72	5050	6.10	9.6	58 F	7.2	112	11	4.9	4.4	.8	0	56	5.4	3.9	1.0	.00	--	78	47	1A
1015	5050		98	14 C	7.5	118	.55	.40	.19	.02	.00	.92	.11	.11	.02		--	59	2	0.3
							47	34	16	2		79	9	9	2					
	A8 L	857.0	239.6	1 CLEAR LAKE NEAR CLEARLAKE HIGHLANDS																
11/12/71	5050		8.8	53.6F	7.1	261	--	--	9.7	--	0	161	--	5.7	2.4	.80	--		121	10E
1115	5050		85	12.0C	7.9	269			.42		.00	2.64		.16	.04		--			
												93		6	1					
12/16/71	5050					266	--	--	--	--	--	--	--	--	--	--	--			13A
1030																	--			
01/13/72	5050		10.5	44.2F	7.2	279	--	--	10	--	0	147	--	5.1	1.7	.90	--		117	4E
1100	5050		90	6.8C	7.3	268			.44		.00	2.41		.14	.03		--			
												93		5	1					
02/10/72	5050		10.8	45.5F	7.1	278	--	--	12	--	0	153	--	7.1	3.2	.90	--		118	2A
1115	5050		94	7.5C	7.3	269			.52		.00	2.51		.20	.05		--			
												91		7	2					
03/09/72	5050		11.7	54 F	7.3	272	--	--	--	--	--	--	--	--	--	--	--			8A
1100			113	12 C													--			
	A8 L	902.7	254.7	1 CLEAR LAKE AT LAKEPORT																
10/21/71	5050		8.5	61.7F	8.1	252	--	--	9.7	--	0	140	--	7.1	2.2	.70	--		114	15E
1330	5050		91	16.5C	7.8	261			.42		.00	2.29		.20	.04		--			
												91		8	2					
11/12/71	5050		8.9	51.8F	7.4	250	--	--	--	--	--	--	--	--	--	--	--			44A
0930			84	11.0C													--			
12/16/71	5050		10.1	42.8F	7.5	253	--	--	--	--	--	--	--	--	--	--	--			21A
0845			85	6.0C													--			
01/13/72	5050		10.6	41.9F	7.5	261	--	--	--	--	--	--	--	--	--	--	--			17A
0910			88	5.5C													--			
02/10/72	5050		11.0	44.6F	7.4	245	--	--	10	--	0	139	--	7.1	3.8	.70	--		110	9A
0910	5050		94	7.0C	7.7	252			.44		.00	2.28		.20	.06		--			
												90		8	2					
03/09/72	5050		8.1	50 F	7.2	239	--	--	--	--	--	--	--	--	--	--	--			35A
0915			75	10 C													--			
04/13/72	5050		9.5	53.6F	7.6	249	--	--	4.0	--	0	135	--	4.8	--	.70	--		110	18A
0915	5050		92	12.0C	7.7	251			.17		.00	2.21		.14			--			
05/04/72	5050		13.4	64 F	8.4	249	--	--	--	--	--	--	--	--	--	--	--			5A
1100			147	18 C													--			
06/08/72	5050		6.6	68.0F	7.5	289	--	--	10	--	0	137	--	4.8	2.4	.80	--		115	9A
0740	5050		75	20.0C	7.5	265			.44		.00	2.25		.14	.04		--			
												93		6	2					
07/14/72	5050		5.7	79.7F	7.8	272	--	--	--	--	--	--	--	--	--	--	--			3A
1000			73	26.5C													--			
08/04/72	5050		7.5	75 F	8.1	279	--	--	--	--	--	--	--	--	--	--	--			7A
0800			92	24 C													--			
09/15/72	5050		9.2	72 F	8.2	267	--	--	--	--	--	--	--	--	--	--	--			24A
1045			109	22 C													--			

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. Q DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB SAR
	AB	1120.00			CACHE CREEK NEAR CAPAY															
10/08/71 0945	5050	2.04 52	9.0 96	65 F 18 C	8.2	400	--	--	--	--	--	--	--	--	--	--	-- --			
10/21/71 0830	5050 5050	1.78 48	10.0 95	55 F 13 C	8.0 8.4	480 503	36 1.80 4	449 36.98 92	32 1.39 3	--	4.0 .13	223 3.65	--	42 1.18	--	1.80	-- --		1940 1751	2E 0.3
11/04/71 1430	5050 5050	1.46 13	13.4 132	58 F 14 C	8.5 8.4	560 616	41 2.05 31	31 2.59 40	44 1.91 29	--	6.0 .20	257 4.21	--	61 1.72	--	2.00	-- --		232 12	1E 1.3
12/06/71 1130	5050 5050	1.67 32	11.5 105	52 F 11 C	8.2 8.1	800 873	50 2.50 28	36 3.00 34	77 3.35 38	--	0 .00	300 4.92	--	120 3.38	--	2.70	-- --		275 29	5E 2.0
01/04/72 1400	5050 5050	2.65 215	12.1 95	41 F 5 C	8.2 8.1	600 658	32 1.60 24	36 3.00 44	50 2.18 32	--	0 .00	245 4.02	--	76 2.14	--	2.60	-- --		230 29	9E 1.4
02/02/72 1030	5050	2.43 125	12.1 94	40 F 4 C	8.2	580	--	--	--	--	--	--	--	--	--	--	-- --			
03/02/72 1530	5050 5050	3.00 310	10.2 101	59 F 15 C	8.0 8.0	330 356	21 1.05 29	17 1.41 38	28 1.22 33	--	0 .00	149 2.44	--	33 .93	--	1.40	-- --		123 1	3A 1.1
04/13/72 1010	5050	3.04 267	10.3 95	53 F 12 C	8.3	420	--	--	--	--	--	--	--	--	--	--	-- --	260		
05/03/72 1100	5050	2.79 200	9.7 108	69 F 21 C	8.1	350	--	--	--	--	--	--	--	--	--	--	-- --	217		
06/01/72 1130	5050	2.81 200	9.7 116	76 F 24 C		320	--	--	--	--	--	--	--	--	--	--	-- --	198		
06/27/72 1130	5050 5050	3.10 374	9.2 112	78 F 26 C	8.2 7.7	290 323	14 .70 20	24 2.04 59	16 .70 20	--	0 .00	173 2.84	--	7.0 .20	--	1.20	-- --	200	137 0	8A 0.6
07/12/72 0800	5050	3.34 390	7.7 92	76 F 24 C	8.0	280	--	--	--	--	--	--	--	--	--	--	-- --	174		
07/28/72 1200	5050 5050	1.26 4.0	11.0 141	83 F 28 C	8.2	550 630	43 2.15 32	30 2.49 37	49 2.13 31	--	0 .00	258 4.23	--	70 1.97	--	1.70	-- --	341	232 21	1A 1.4
08/25/72 1200	5050	0.81 .0 LOW					--	--	--	--	--	--	--	--	--	--	-- --			
09/08/72 0745	5050	DRY					--	--	--	--	--	--	--	--	--	--	-- --			
09/25/72 0930	5050	DRY					--	--	--	--	--	--	--	--	--	--	-- --			
	AB	1250.00			BEAR CREEK NEAR RUMSEY															
10/21/71 0930	5050 5050	0.71 1.9	11.8 112	53.2F 11.8C	8.3 8.3	4533 4630	22 1.10 2	134 11.02 23	818 35.58 73	30 .77 2	0 .00	972 15.93 33	50 1.04 2	1110 31.30 64	18.0 .29 1	27.0	-- --	2540 2687	607 0	2E 14.5
11/12/71 1245	5050	0.87 4.0	11.9 112	52.7F 11.5C	8.4	4253	--	--	--	--	--	--	--	--	--	--	-- --			2A
12/16/71 1200	5050 5050	0.79 2.9	13.9 107	38.3F 3.5C	8.1 8.5	5276 5420	--	--	962 41.85	--	61 2.03	915 15.00	--	1250 35.25	--	28.0	-- --		686	1E
01/13/72 1200	5050 5050	1.07 7.3	12.3 97	40.1F 4.5C	8.3 8.3	3020 2830	--	--	433 18.84	--	0 .00	658 10.78 39	--	602 16.98 61	14.0 .23 1	12.0	-- --		492	1E
02/10/72 1230	5050 5050	1.47 21	12.0 107	48.6F 9.2C	8.2 8.3	1759 1840	--	--	242 10.53	--	0 .00	538 8.82 48	--	332 9.36 51	8.6 .14 1	7.60	-- --		407	3A
03/09/72 1215	5050 5050	1.13 8.5	11.6 117	58.1F 14.5C	8.3 8.5	2500 2550	--	--	372 16.18	--	28 .93	628 10.29	--	538 15.17	10.0 .16	11.0	-- --		516	1A
04/13/72 1155	5050 5050	1.25 11	11.0 106	54.5F 12.5C	8.3 8.4	3847 3860	--	--	625 27.19	--	23 .77	784 12.85	--	853 24.05	--	16.0	-- --		553	3A
05/04/72 1345	5050 5050	0.86 3.7	10.1 122	75.2F 24.0C	8.4 8.5	3540 3430	--	--	550 23.93	--	39 1.30	772 12.65	--	790 22.28	--	19.0	-- --		554	1A
06/08/72 1015	5050 5050	0.63 1.2	9.0 106	72.5F 22.5C	8.3 8.5	3660 3700	--	--	614 26.71	--	50 1.67	771 12.64	--	811 22.87	2.3 .04	20.0	-- --		552	3A
07/14/72 1240	5050 5050	0.33 .0	8.2 114	89.6F 32.0C	8.4 8.3	5020	--	--	824 35.84	--	0 .00	999 16.37 30	--	1330 37.51 70	.1 .00	30.0	-- --		705	4A

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. O DEPTH	OO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB SAR
	A8	1350.00		CACHE CREEK NEAR LOWER LAKE																
10/21/71	5050	1.07	9.5	59.4F	8.1	252	--	--	9.7	--	0	157	--	9.5	--	.90	--		127	15E
1430	5050	32	98	15.2C	7.9	277			.42		.00	2.57		.27			--			
11/12/71	5050	0.34	9.7	49.1F	7.4		23	17	11	2.0	0	164	4.3	5.5	.6	.90	--	154	128	15E
1030	5050	1.0	88	9.5C	7.8	286	1.15	1.40	.48	.05	.00	2.69	.09	.16	.01		--	145	0	0.4
							37	45	16	2		91	3	5						
12/16/71	5050	0.33	11.1	40.1F	7.4	287	--	--	12	--	0	164	--	7.6	--	1.00	--		130	3E
0945	5050	1.0	89	4.5C	7.8	294			.52		.00	2.69		.21			--			
01/13/72	5050	0.24	11.5	39.2F	7.5	302	--	--	8.4	--	0	150	--	7.5	--	.90	--		125	3E
1010	5050	.5	91	4.0C	7.5	290			.37		.00	2.46		.21			--			
02/10/72	5050	0.29	11.4	41.0F	7.4	262	--	--	12	--	0	123	--	7.4	--	.60	--		108	60E
1015	5050	1.0	93	5.0C	7.3	264			.52		.00	2.02		.21			--			
03/09/72	5050	0.38	9.4	52.7F	7.3	254	--	--	--	--	--	--	--	--	--	--	--			7A
1015	5050	1.0	90	11.5C													--			
04/17/72	5050	1.34	11.2	54.5F	7.5	347	--	--	12	--	0	156	--	5.9	--	.80	--		126	11A
1145	5050	52	109	12.5C	7.9	283			.52		.00	2.56		.17			--			
05/04/72	5050	2.79	9.0	67.1F	7.8	274	--	--	12	--	0	147	--	7.0	--	1.00	--		121	3A
1205	5050	275	102	19.5C	7.2	275			.52		.00	2.41		.20			--			
06/08/72	5050	3.23	7.7	73.4F	7.6	306	--	--	11	--	0	144	--	5.4	--	.90	--		122	8A
0845	5050	375	93	23.0C	7.3	281			.48		.00	2.36		.15			--			
07/14/72	5050	3.62	7.2	80.6F	8.2	270	--	--	--	--	--	--	--	--	--	--	--			8A
1105	5050	495	93	27.0C													--			
	A8	2050.00		CACHE CREEK, NORTH FORK, NEAR LOWER LAKE																
10/21/71	5050	1.40	10.6	53.2F	7.9	505	--	--	35	--	0	215	--	54	--	3.40	--		199	1E
0845	5050	2.1	101	11.8C	8.2	582			1.52		.00	3.52		1.52			--			
11/12/71	5050	1.57	13.4	54.5F	8.2	459	32	26	34	2.1	0	196	18	57	1.5	3.60	--	292	188	
1200	5050	3.7	130	12.5C	8.3	518	1.60	2.14	1.48	.05	.00	3.21	.37	1.61	.02		--	271	27	1.1
							30	41	28	1		62	7	31						
12/16/71	5050	2.51	14.6	41.0F	7.9	731	--	--	50	--	0	278	--	97	--	6.70	--		274	1E
1100	5050	54	118	5.0C	8.3	746			2.18		.00	4.56		2.74			--			
01/13/72	5050	2.31	12.8	42.8F	8.0	535	--	--	34	--	0	224	--	49	--	3.60	--		197	2E
1130	5050	55	106	6.0C	8.0	524			1.48		.00	3.67		1.38			--			
02/10/72	5050	3.02	12.1	46.4F	7.7	294	--	--	16	--	5.0	138	--	15	--	1.20	--		124	2A
1150	5050	200	105	8.0C	8.6	302			.70		.17	2.26		.42			--			
03/09/72	5050	2.84	10.5	53.6F	7.9	253	--	--	14	--	0	133	--	14	--	1.30	--		122	1A
1130	5050	158	100	12.0C	8.0	264			.61		.00	2.18		.39			--			
04/13/72	5050	3.46	11.6	51.8F	7.9	226	--	--	4.6	--	0	116	--	8.2	--	.80	--		93	7A
1100	5050	318	109	11.0C	8.0	228			.20		.00	1.90		.23			--			
05/04/72	5050	2.00	9.7	72 F	8.2	351	--	--	--	--	--	--	--	--	--	--	--			2A
1315		48	114	22 C													--			
06/08/72	5050	1.37	9.5	72 F	8.0	475	--	--	--	--	--	--	--	--	--	--	--			1A
0930		14	112	22 C													--			
07/14/72	5050	0.99	8.4	87.8F	8.2		--	--	35	--	0	209	--	52	--	3.80	--		194	0A
1150	5050	3.4	116	31.0C	8.1	500			1.52		.00	3.43		1.47			--			
08/04/72	5050	1.12	8.8	77 F	8.1	521	--	--	--	--	--	--	--	--	--	--	--			0A
0930		1.7	109	25 C													--			
09/15/72	5050	0.99	8.7	74.3F	8.1	476	--	--	40	--	0	219	--	62	--	4.50	--		206	0A
1145	5050	1.1	105	23.5C	8.2	553			1.74		.00	3.59		1.75			--			
	A9	1250.00		PUTAH CREEK NEAR WINTERS																
10/21/71	5050	7.00	11.3	53 F	8.1	280	16	25	8.2	--	0	168	--	5.6	--	--	--		146	2E
0940	5050	439	104	12 C	8.3	297	.80	2.12	.36		.00	2.75		.16			--		9	0.3
							24	65	11											
11/18/71	5050	4.90	11.6	53 F	7.7	306	16	376	8.2	--	0	169	--	5.9	--	--	--		1590	2E
1500	5050	57	107	12 C	8.1	302	.80	30.98	.36		.00	2.77		.17			--		1452	0.1
							2	96	1											
12/14/71	5050	4.93	10.5	50 F	7.9	295	16	26	8.9	--	0	172	--	5.7	--	--	--		149	4E
0830	5050	68	93	10 C	8.2	318	.80	2.18	.39		.00	2.82		.16			--		8	0.3
							24	65	12											
01/06/72	5050	4.85	12.7	49 F	8.0	295	18	26	9.0	--	0	173	--	6.9	--	--	--		153	4E
1515	5050	54	111	9 C	8.1	314	.90	2.16	.39		.00	2.84		.19			--		11	0.3
							26	63	11											

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. Q DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	MILLIGRAMS PER LITER F SIO2	TDS SUM	TH NCH	TURB SAR
	A9	1250.00			PUTAM CREEK NEAR WINTERS									CONTINUED						
02/15/72	5050	4.87	11.1	48 F	8.0	300	16	27	10	--	0	176	--	4.8	--	--	--		153	1A
1000	5050	51	96	9 C	8.2	322	.80	2.26	.44		.00	2.88		.14			--		9	0.4
							23	65	13											
03/17/72	5050	6.59	11.7	50 F	8.1	290	17	26	8.8	--	0	176	--	5.9	--	--	--		152	1A
1000	5050	312	104	10 C	8.1	313	.85	2.19	.38		.00	2.88		.17			--		8	0.3
							25	64	11											
04/18/72	5050	7.50	12.9	50 F	8.3	280	16	27	9.2	--	0	176	--	6.9	--	--	--		152	1A
1430	5050	548	115	10 C	8.3	314	.80	2.24	.40		.00	2.88		.19			--		8	0.3
							23	65	12											
05/18/72	5050	7.87	11.8	50 F	8.0	300	17	26	9.4	--	0	172	--	5.6	--	--	--		152	1A
0900	5050	647	105	10 C	7.8	312	.85	2.19	.41		.00	2.82		.16			--		11	0.3
							25	63	12											
06/12/72	5050	7.59	12.7	53 F	8.0	290	17	26	9.7	--	0	175	--	6.2	--	--	--		152	1A
1230	5050	559	117	12 C	8.3	313	.85	2.19	.42		.00	2.87		.17			--		9	0.3
							25	63	12											
07/12/72	5050	7.94	11.7	53 F	8.0	285	17	27	8.8	--	0	170	--	6.0	--	--	--		157	0A
0900	5050	622	108	12 C	7.8	310	.85	2.29	.38		.00	2.79		.17			--		18	0.3
							24	65	11											
08/10/72	5050	7.84	11.2	53 F	8.0	280	17	26	9.7	--	0	171	--	6.5	--	--	--		152	1A
0820	5050	632	103	12 C	8.0	313	.85	2.19	.42		.00	2.80		.18			--		12	0.3
							25	63	12											
09/08/72	5050	6.96	11.3	53 F	8.0	300	16	26	8.7	--	0	174	--	6.3	--	--	--		149	1A
0845	5050	406	104	12 C	8.0	318	.80	2.18	.38		.00	2.85		.18			--		7	0.3
							24	65	11											
	80	2105.00			MOKELUMNE RIVER AT WOODBRIDGE															
10/08/71	5050		10.5	59 F	7.1	44	--	--	--	--	--	--	--	--	--	--	--			
1300			104	15 C													--			
10/29/71	5050		10.6	53 F	7.0	46	--	--	--	--	--	--	--	--	--	--	--			
1000			97	12 C													--			
11/19/71	5050	5.46	10.7	52 F	7.0	50	5.0	2.3	2.2	--	0	23	--	2.1	--	--	--		22	3E
1100	5050	209	97	11 C	7.0	49	.25	.19	.10		.00	.38		.06			--		3	0.2
							46	35	19											
12/07/71	5050		11.6	46 F	7.3	52	--	--	--	--	--	--	--	--	--	--	--			
1100			97	8 C													--			
01/05/72	5050	4.32	12.7	45 F	7.1	48	--	--	--	--	--	--	--	--	--	--	--			
1600			105	7 C													--			
02/03/72	5050	4.08	12.5	42 F	7.1	52	--	--	--	--	--	--	--	--	--	--	--			
1330			99	6 C													--			
03/09/72	5050	3.79	9.0	62 F	7.0	51	--	--	--	--	--	--	--	--	--	--	--			
1230			92	17 C													--			
04/13/72	5050	4.37	10.6	54 F	7.3	45	--	--	--	--	--	--	--	--	--	--	--			
1415			99	12 C													--			
05/02/72	5050	3.86	9.6	60 F	7.0	46	--	--	--	--	--	--	--	--	--	--	--			
1000			96	16 C													--			
06/05/72	5050	4.05	9.1	72 F	7.2	44	--	--	--	--	--	--	--	--	--	--	--			
1115			104	22 C													--			
07/21/72	5050	3.79	8.8	70 F	7.1	47	4.7	1.8	2.5	--	0	20	--	1.9	--	--	--		19	3A
0830	5050	40	98	21 C	6.8	48	.23	.15	.11		.00	.33		.05			--		3	0.2
							47	31	22											
08/21/72	5050	4.02	8.9	69 F	7.1	47	--	--	--	--	--	--	--	--	--	--	--			
0830			98	21 C													--			
09/20/72	5050	3.89	9.6	62 F	7.0	49	4.8	1.2	2.5	--	0	22	--	2.2	--	--	--		17	1A
0800	5050		98	17 C	7.0	50	.24	.10	.11		.00	.36		.06			--		0	0.3
							53	22	24											
	B0	2580.00			STOCKTON DIVERTING CANAL AT STOCKTON															
01/05/72	5050		12.5	48 F	7.4	185	--	--	--	--	--	--	--	--	--	--	--			
1500			108	9 C													--			
01/20/72	5050	3.14	11.6	45 F	8.0	205	23	7.9	6.5	--	0	98	--	6.5	--	--	--		90	7E
1030	5050		96	7 C	7.9	208	1.15	.65	.28		.00	1.61		.18			--		10	0.3
							55	31	13											
02/17/72	5050	3.05	14.3	58 F	9.1	210	19	11	8.7	--	0	98	--	7.7	--	--	--		93	
1315	5050		140	14 C	7.9	233	.95	.91	.38		.00	1.61		.22			--		13	0.4
							42	41	17											
03/09/72	5050						--	--	--	--	--	--	--	--	--	--	--			
1320																	--			
		DRY																		
04/13/72	5050	2.38	10.1	67 F	8.3	220	--	--	--	--	--	--	--	--	--	--	--			
1325		.0	109	19 C													--			
		LOW																		

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. Q DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	FIELD LABORATORY EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F	SIO2	TDS SUM	TH NCH	TURB SAR
	80	2580.00			STOCKTON DIVERTING CANAL AT STOCKTON									CONTINUED							
05/18/72 1230	5050	.0 LOW				210	--	--	--	--	--	--	--	--	--	--	--	--			
06/05/72 0830	5050	.0 LOW				225	--	--	--	--	--	--	--	--	--	--	--	--			
07/21/72 1130	5050	4.91	9.0 107	76 F 24 C	8.2 7.9	200 213	22 1.10 50	9.5 .78 35	7.6 .33 15	--	0 .00	103 1.69	--	6.3 .18	--	--	--		94 10	5A 0.3
08/21/72 0930	5050	3.86	7.5 86	72 F 22 C	7.8	195	--	--	--	--	--	--	--	--	--	--	--	--			
09/20/72 0900	5050	2.89	6.8 71	64 F 18 C	7.2 7.9	210 240	23 1.15 51	8.9 .73 32	8.4 .37 16	--	0 .00	114 1.87	--	7.0 .20	--	--	--		94 1	4A 0.4
	80	7020.00			SAN JOAQUIN RIVER NEAR VERNALIS																
10/11/71 1400	5001 5006			70 F 21 C		353	--	--	44 1.91	--	--	--	--	51 1.44	--	--	-- .0	216*			
10/14/71 1500	5050 5000		7.9 87	69 F 21 C	7.5 7.1	500 445	23 1.15 28	11 .90 22	47 2.04 49	2.6 .07 2	0 .00	99 1.62 40	30 .62 15	66 1.86 45	--	.13	.1 19.0	254 247	100 22	20A 2.0
10/26/71 1125	5001 5006	3	9.4		7.4	566	--	--	--	--	--	--	--	90 2.54	--	--	-- 20.0			16A
11/08/71 1420	5001 5006			54 F 12 C	7.3	724	35 1.75 26	19 1.56 23	79 3.44 50	4.0 .10 1	0 .00	127 2.08 30	70 1.46 21	119 3.36 49	--	--	-- --	423* 388	166 62	2.7
11/17/71 1500	5050 5000		10.0 90	51 F 11 C	7.4 7.4	750 664	32 1.60 25	16 1.32 21	76 3.31 53	2.9 .07 1	0 .00	129 2.11 34	58 1.21 20	100 2.82 46	--	.50	.1 21.0	375 370	150 41	8A 2.7
12/06/71 1400	5001 5006			52 F 11 C		588	--	--	79 3.44	--	--	--	--	93 2.62	--	--	-- --	406*			
12/15/71 1700	5050 5000		10.7		7.3 7.4	531	26 1.30 26	13 1.07 21	60 2.61 52	2.2 .06 1	0 .00	96 1.57 31	52 1.08 22	84 2.37 47	--	.19	.0 17.0	306 302	120 40	6A 2.4
01/10/72 1130	5001 5006			45 F 7 C		387	--	--	46 2.00	--	--	--	--	54 1.52	--	--	-- --	270*			
01/12/72 1520	5050 5000				7.2 7.5	450 387	20 1.00 27	9.3 .76 21	42 1.83 50	2.8 .07 2	0 .00	78 1.28 34	49 1.02 27	53 1.49 39	--	.17	.1 16.0	234 231	88 24	10A 1.9
02/07/72 1430	5001 5006			50 F 10 C	7.5	525	25 1.25 25	12 .99 20	63 2.74 54	2.9 .07 1	0 .00	86 1.41 29	65 1.35 28	75 2.12 43	--	--	-- --	337* 285	112 42	2.6
02/16/72 1500	5050 5000		11.0 102	54 F 12 C	7.6 7.7	700 675	32 1.60 26	15 1.23 20	75 3.26 53	2.5 .06 1	0 .00	107 1.75 29	80 1.67 28	91 2.57 43	--	.38	.2 18.0	372 366	140 54	10A 2.7
03/06/72 1400	5001 5006			66 F 19 C		764	--	--	86 3.74	--	--	--	--	122 3.44	--	--	-- --	468*			
03/15/72 1140	5050 5000	10.34	9.2 97	65 F 18 C	7.5 7.8	760 761	39 1.95 27	18 1.48 21	84 3.65 51	3.9 .10 1	0 .00	129 2.11 29	88 1.83 25	120 3.38 46	--	.36	.2 23.0	447 440	170 66	30A 2.8
03/22/72 1100	5001 5006	3	9.7 88	52 F 11 C	7.8 7.8	727	--	--	--	--	0 .00	134 2.20	--	120 3.38	--	--	-- 20.0			45A
04/10/72 1400	5001 5006			63 F 17 C		853	--	--	102 4.44	--	--	--	--	150 4.23	--	--	-- --	546*			
04/12/72 1215	5050 5000	9.88	10.1 103	62 F 17 C	6.7 7.3	1000 991	50 2.50 26	26 2.14 22	110 4.79 50	4.3 .11 1	0 .00	174 2.85 30	98 2.04 22	160 4.51 48	--	.39	.3 24.0	567 558	230 90	40A 3.1
04/24/72 1230	5001 5006	3	11.5 126	68 F 20 C	8.2	1020	--	--	--	--	--	--	--	165 4.65	--	--	-- 20.0			32A
05/08/72 1420	5001 5006				7.4	1030	46 2.30 23	28 2.30 23	120 5.22 52	5.0 .13 1	0 .00	185 3.03 30	100 2.08 20	180 5.08 50	--	--	-- --	690* 570	230 79	3.4
05/22/72 1130	5001 5006	3	11.1 119	66 F 19 C	8.1	988	--	--	--	--	--	--	--	165 4.65	--	--	-- --			38A
05/24/72 0730	5050		8.7 94	67 F 19 C	8.1	560	--	--	--	--	--	--	--	--	--	--	-- --			
06/12/72 1400	5001 5006			68 F 20 C		1010	--	--	120 5.22	--	--	--	--	78 2.20	--	--	-- --	647*			
06/20/72 1250	5001 5006	2	13.9 164	75 F 24 C	7.5	1830	--	--	--	--	--	--	--	191 5.39	--	--	-- 15.4			50A

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. O DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB SAR
	80	7020.00			SAN JOAQUIN RIVER NEAR VERNALIS														CONTINUED	
06/23/72	5050	8.54	9.0	70 F	8.4		62	30	140	5.0	3.0	204	110	220	--	.43	.2	686	280	60A
0745	5000		100	21 C	8.4	1210	3.09	2.47	6.09	.13	.10	3.34	2.29	6.20			13.0	684	106	3.7
							26	21	52	1										
07/10/72	5001			75 F			--	--	134	--	--	--	--	200	--	--	--	757*		
1145	5006			24 C		1140			5.83					5.64			--			
07/18/72	5001		9.9	77 F	8.5		--	--	--	--	--	--	--	210	--	--	--			100A
1115	5006		119	25 C		1210								5.92			19.0			
		3																		
07/20/72	5050	8.85	8.6	72 F	8.2	1250	60	31	130	5.5	0	202	100	230	--	.42	.3	681	280	90A
0845	5000		98	22 C	7.7	1260	2.99	2.55	5.66	.14	.00	3.31	2.08	6.49			21.0	677	112	3.4
							26	22	50	1		28	18	55						
08/07/72	5001			81 F			46	24	115	7.7	0	170	83	185	--	--	--	655*	214	
1400	5006			27 C	7.8	1090	2.30	1.97	5.00	.20	.00	2.79	1.73	5.22			--	544	74	3.4
							24	21	53	2		29	18	54						
08/10/72	5050	8.43	10.9	81 F	8.2	1080	58	29	130	6.2	0	209	100	220	--	.44	.3	665	260	90A
1100	5000		136	27 C	8.2	1200	2.89	2.38	5.66	.16	.00	3.43	2.08	6.20			15.0	661	92	3.5
							26	21	51	1		29	18	53						
08/21/72	5001		8.9	77 F	8.2		--	--	--	--	--	--	--	160	--	--	--			33A
1430	5006		107	25 C		1210								4.51			23.2			
		3																		
09/11/72	5001			75 F			--	--	52	--	0	97	--	68	--	--	--	281*		
1445	5006			24 C	7.8	477			2.26		.00	1.59		1.92			--			
09/21/72	5050	11.55	6.4	66 F	7.3	280	21	8.9	41	3.1	0	96	25	54	--	.13	.2	220	89	30A
0830	5000		69	19 C	7.0	400	1.05	.73	1.78	.08	.00	1.57	.52	1.52			16.0	216	11	1.9
							29	20	49	2		43	14	42						
09/21/72	5001		7.2	63 F			--	--	--	--	--	--	--	57	--	--	--			14A
1445	5006		74	17 C		383								1.61			16.0			
		3																		
	81	1150.00			COSUMNES RIVER AT MICHIGAN BAR															
10/06/71	5050	2.39	8.5	62 F	7.3	75	--	--	--	--	--	--	--	--	--	--	--			
0730			87	17 C													--			
11/03/71	5050	2.46	11.1	47 F	7.3	88	--	--	--	--	--	--	--	--	--	--	--			
0830			95	8 C													--			
12/07/71	5050	2.88	12.1	43 F	7.8	76	--	--	--	--	--	--	--	--	--	--	--			
0830			98	6 C													--			
01/05/72	5050	3.23	14.1	38 F	7.3	105	10	6.3	4.4	--	0	49	--	4.0	--	--	--		51	3E
1300	5050	179	106	3 C	7.5	108	.50	.52	.19		.00	.80		.11			--		11	0.3
							41	43	16											
02/03/72	5050		14.1	38 F	7.4	105	--	--	--	--	--	--	--	--	--	--	--			
1510			106	3 C													--			
03/09/72	5050	4.42	10.7	54 F	7.3	50	--	--	--	--	--	--	--	--	--	--	--			
1530			100	12 C													--			
04/17/72	5050	4.26	10.3	56 F	7.3	54	5.3	1.9	3.2	--	0	29	--	1.2	--	--	--		21	2A
1315	5050	700	99	13 C	7.3	56	.26	.16	.14		.00	.48		.03			--		0	0.3
							46	29	25											
05/18/72	5050	3.56	9.5	69 F	7.3	46	4.5	1.2	2.5	--	0	23	--	1.3	--	--	--		16	0A
1345	5050	299	105	21 C	7.1	44	.22	.10	.11		.00	.38		.04			--		0	0.3
							51	23	26											
06/21/72	5050	2.64	8.2	78 F	7.4	60	--	--	--	--	--	--	--	--	--	--	--			
1300			100	26 C													--			
07/21/72	5050	2.57	7.9	76 F	7.5	54	--	--	--	--	--	--	--	--	--	--	--			
0730			94	24 C													--			
08/23/72	5050	2.57	7.9	75 F	7.3	48	4.5	1.4	2.7	--	0	26	--	2.1	--	--	--		17	0A
0930	5050	45	93	24 C	7.3	49	.22	.12	.12		.00	.43		.06			--		0	0.3
		1					48	26	26											
09/20/72	5050	2.10	9.0	72 F	7.5	75	--	--	--	--	--	--	--	--	--	--	--			
1215			103	22 C													--			
	81	2100.00			COSUMNES RIVER, NORTH FORK, NEAR EL DORADO															
04/17/72	5050	3.62	10.3	53 F	7.2	41	3.6	1.7	2.5	--	0	23	--	1.8	--	--	--		16	1A
1230	5050	321	97	12 C	7.3	44	.18	.14	.11		.00	.38		.05			--		0	0.3
							42	33	26											
08/23/72	5050	2.49	9.4	69 F	7.3	38	4.6	.4	3.2	--	0	20	--	.6	--	--	--		13	0A
1200	5050	41	107	21 C	7.1	40	.23	.03	.14		.00	.33		.02			--		0	0.4
							58	8	35											

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. Q DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCM	TURB SAR
	81	3150.00			COSUMNES RIVER, MIDDLE FORK, NEAR SOMERSET															
04/17/72	5050	5.60	10.9	48 F	7.1	30	3.6	.7	2.2	--	0	21	--	1.4	--	--	--		12	0A
1045	5050		100	9 C	7.2	36	.18	.06	.10		.00	.34		.04			--		0	0.3
							53	18	29											
08/23/72	5050	3.00	9.0	73 F	7.3	63	6.7	1.5	3.4	--	0	34	--	1.4	--	--	--		23	0A
1040	5050		110	23 C	7.2	64	.33	.12	.15		.00	.56		.04			--		0	0.3
							55	20	25											
	81	4110.01			COSUMNES RIVER, SOUTH FORK, AT RIVER PINES															
04/17/72	5050		10.3	49 F	7.3	81	8.9	2.9	4.0	--	0	46	--	2.4	--	--	--		34	1A
0920	5050		96	9 C	7.6	87	.44	.24	.17		.00	.75		.07			--		0	0.3
							52	28	20											
08/23/72	5050						--	--	--	--	--	--	--	--	--	--	--			
1015																	--			
		DRY																		
	82 R	809.1 048.5			NEW HOGAN RESERVOIR NEAR DAM															
11/02/71	5002		0.4	50.0F	7.2	205	25	9.0	7.0	--	0	107	13	5.0	9.4	.00	.0	126	99	
	5002		4	10.0C			1.25	.74	.30		.00	1.75	.27	.14	.15		4.0	125	12	0.3
		100					55	32	13			76	12	6	6					
	82	5300.00			CALAVERAS RIVER BELOW NEW HOGAN DAM															
11/02/71	5002		11.8	50.9F	7.6	225	26	10	6.0	--	0	112	11	5.0	7.2	.00	.0	132	106	
	5002	2.3	107	10.5C			1.30	.82	.26		.00	1.84	.23	.14	.12		4.0	124	14	0.3
							55	34	11			79	10	6	5					
	89 D	747.2 118.4			SAN JOAQUIN RIVER AT MOSSDALE BRIDGE															
10/29/71	5050	2.07	9.6	54 F	7.4	610	31	15	74	2.6	26	66	56	99	5.5	.10	--	374	140	
1200	5050		89	12 C	9.2	642	1.55	1.23	3.22	.07	.87	1.08	1.17	2.79	.09		--	342	42	2.7
							26	20	53	1	15	18	20	47	2					
11/19/71	5050	1.74	10.1	51 F	7.3	690	35	17	84	2.7	0	128	66	120	5.8	.40	--	412	159	
1330	5050		90	11 C	7.5	711	1.75	1.40	3.65	.07	.00	2.10	1.37	3.38	.09		--	394	53	2.9
							25	20	53	1		30	20	49	1					
12/21/71	5050	2.70	11.1	45 F	7.3	440	23	10	52	2.0	0	77	47	74	3.0	.20	--	270	101	5E
1300	5050		92	7 C	7.4	461	1.15	.82	2.26	.05	.00	1.26	.98	2.09	.05		--	249	36	2.3
							27	19	53	1		29	22	48	1					
01/20/72	5050	3.07	10.1	47 F	7.6	500	26	13	60	2.3	0	98	64	74	4.4	.40	--	318	120	20E
1115	5050		86	8 C	7.5	542	1.30	1.07	2.61	.06	.00	1.61	1.33	2.09	.07		--	292	38	2.4
							26	21	52	1		32	26	41	1					
02/17/72	5050	2.87	10.8	56 F	7.4	590	31	15	75	2.1	0	100	87	92	5.0	.50	--	380	141	6A
1230	5050		103	13 C	7.3	649	1.55	1.23	3.26	.05	.00	1.64	1.81	2.59	.08		--	357	57	2.8
							25	20	54	1		27	30	42	1					
03/09/72	5050	2.78	11.8	65 F	8.2	650	38	18	78	3.3	0	120	73	120	3.5	.40	--	480	168	4A
1400	5050		125	18 C	8.3	717	1.90	1.48	3.39	.08	.00	1.97	1.52	3.38	.06		--	393	71	2.6
							28	22	49	1		28	22	49	1					
05/02/72	5050	1.87	23.1	75 F	9.0	875	43	26	119	.2	8.0	137	96	177	.2	.30	--	576	215	12A
1145	5050		271	24 C	8.6	1000	2.15	2.14	5.18	.01	.27	2.25	2.00	4.99	.00		--	537	89	3.5
							23	23	55		3	24	21	52						
06/05/72	5050	0.52	15.7	77 F	8.8	975	60	30	134	5.9	0	191	97	223	3.7	.40	--	699	272	11A
0930	5050		188	25 C	8.2	1170	2.99	2.47	5.83	.15	.00	3.13	2.02	6.29	.06		--	648	117	3.5
							26	22	51	1		27	18	55	1					
07/21/72	5050	1.58	11.0	77 F	8.7	1050	59	32	145	6.1	0	193	105	230	28.0	.40	--	733	281	13
1000	5050		132	25 C	7.5	1250	2.94	2.63	6.31	.16	.00	3.16	2.19	6.49	.45		--	700	121	3.8
							24	22	52	1		26	18	53	4					
08/21/72	5050	1.52	12.1	77 F	8.2	900	57	29	123	6.1	0	201	93	184	6.6	.40	--	691	262	8A
1030	5050		145	25 C	7.6	1110	2.84	2.38	5.35	.16	.00	3.29	1.94	5.19	.11		--	598	97	3.3
							26	22	50	1		31	18	49	1					
09/20/72	5050	2.08	7.0	70 F	7.3	370	22	9.5	43	2.9	0	93	29	55	6.0	.10	--	231	94	14A
1000	5050		78	21 C	7.9	426	1.10	.78	1.87	.07	.00	1.52	.60	1.55	.10		--	213	18	1.9
							29	20	49	2		40	16	41	3					
	89 D	748.3 126.9			OLD RIVER AT TRACY ROAD BRIDGE															
10/05/71	5001		10.0	66 F	8.0		45	22	94	5.3	0	175	70	131	5.3	.30	--	510*	203	22A
1330	5006		107	19 C		865	2.25	1.81	4.09	.14	.00	2.87	1.46	3.69	.09		16.0	475	60	2.9
		3					27	22	49	2		35	18	45	1					
11/11/71	5001		9.4	55 F	7.6		--	--	--	--	--	--	--	--	4.6	--	--			14A
1350	5006		89	13 C		830									.07		--			
		3																		
12/09/71	5001		11.2	46 F	7.8		--	--	--	--	--	--	--	--	3.9	--	--			8A
1400	5006		94	8 C		766									.06		--			
		3																		
01/19/72	5001		10.0	46 F	7.5		31	12	64	3.7	0	111	65	85	3.8	.10	--	369*	127	14A
1400	5006		84	8 C	7.5	542	1.55	.99	2.78	.09	.00	1.82	1.35	2.40	.06		16.0	335	36	2.5
		3					29	18	51	2		32	24	43	1					
02/23/72	5001		10.1	55 F	7.5		--	--	--	--	--	--	--	--	4.4	--	--			11A
1345	5006		96	13 C		712									.07		--			
		3																		
03/20/72	5001		14.1	68 F	8.5		--	--	--	--	--	--	--	--	4.4	--	--			17A
1425	5006		154	20 C		792									.07		--			
		1																		
04/20/72	5001		15.1	59 F	7.6		--	--	--	--	0	194	--	170	5.1	--	--			32A
1350	5006		149	15 C	7.6	1330					.00	3.18		4.79	.08		16.0			
		3										40		60	1					
05/30/72	5001		12.7	75 F	8.4		--	--	--	--	--	--	--	190	.1	--	--			25A
1350	5006		150	24 C		1050								5.36	.00		3.3			
		3																		

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. Q DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB SAR
	89 D 748.3 126.9		OLD RIVER AT TRACY ROAD BRIDGE												CONTINUED					
06/16/72	5001		10.9	70 F	9.0		--	--	--	--	--	--	--	--	.1	--	--			27A
1245	5006	3	121	21 C		1080									.00		--			
07/13/72	5001		8.0	82 F	8.5		--	--	--	--	0	204	--	213	1.5	--	--			14A
1525	5006	3	101	28 C	8.2	1270					.00	3.34 36		6.01 64	.02		7.3			
08/17/72	5001		12.1	72 F	8.9		--	--	--	--	--	--	--	200	.5	--	--			11A
1505	5006	3	137	22 C		1130								5.64	.01		1.0			
09/25/72	5001		8.5	68 F	7.7		--	--	--	--	--	--	--	79	2.9	--	--			9A
1440	5006	3	93	20 C		551								2.23	.05		14.8			
	89 D 752.6 122.9		MIDDLE RIVER AT WILLIAMS BRIDGE																	
10/05/71	5001		10.7	68 F	8.7		34	19	80	4.3	0	129	45	125	.6	.20	--	430*	163	32A
1400	5006	3	117	20 C		725	1.70 25	1.56 23	3.48 51	.11 2	.00	2.11 32	.94 14	3.53 54	.01		.5	372	58	2.7
11/11/71	5001		12.9	54 F	8.2		--	--	--	--	--	--	--	--	1.6	--	--			27A
1430	5006	3	119	12 C		740									.03		--			
12/09/71	5001		11.9	43 F	7.7		--	--	--	--	--	--	--	--	2.9	--	--			11A
1430	5006	3	95	6 C		618									.05		--			
01/19/72	5001		11.5	46 F	7.5		25	8.7	54	2.4	0	86	55	66	3.6	.10	--	301*	99	18A
1435	5006	3	97	8 C	7.6	443	1.25 29	.72 16	2.35 54	.06 1	.00	1.41 31	1.15 26	1.86 42	.06 1		15.0	272	28	2.4
02/23/72	5001		10.6	55 F	7.6		--	--	--	--	--	--	--	--	3.6	--	--			24A
1410	5006	3	100	13 C		619									.06		--			
03/20/72	5001		9.5	66 F	7.4		--	--	--	--	--	--	--	--	1.9	--	--			31A
1500	5006	3	102	19 C		259									.03		--			
04/20/72	5001		11.4	61 F	8.0		--	--	--	--	0	76	--	38	1.8	--	--			20A
1430	5006	3	115	16 C	7.7	325					.00	1.25 53		1.07 46	.03 1		12.0			
05/30/72	5001		9.0	77 F	7.7		--	--	--	--	--	--	--	48	2.2	--	--			30A
1435	5006	3	108	25 C		348								1.35	.04		10.9			
06/16/72	5001		6.8	72 F	7.5		--	--	--	--	--	--	--	--	3.1	--	--			45A
1330	5006	3	77	22 C		383									.05		--			
07/13/72	5001		6.8	79 F	7.9		--	--	--	--	0	78	--	139	2.6	--	--			36A
1605	5006	3	83	26 C	7.6	691					.00	1.26 24		3.92 75	.04 1		17.3			
08/17/72	5001		7.8	72 F	7.5		--	--	--	--	--	--	--	69	1.6	--	--			27A
1550	5006	3	89	22 C		406								1.95	.03		15.8			
09/25/72	5001		11.2	68 F	8.6		--	--	--	--	--	--	--	58	.9	--	--			22A
1520	5006	3	122	20 C		407								1.64	.01		9.6			
	89 D 753.5 129.3		MIDDLE RIVER AT BORDEN HIGHWAY																	
10/05/71	5001		9.9	66 F			15	6.2	19	2.0	0	77	18	20	.3	.10	--	151*	63	
1255	5006	3	106	19 C			.75 35	.51 24	.83 39	.05 2	.00	1.26 58	.37 17	.56 26	.00		5.7	124	0	1.0
11/08/71	5001			54 F			--	--	33	--	--	--	--	38	--	--	--	193*		
1135	5006			12 C		311			1.44					1.07			--			
11/11/71	5001		10.3	54 F	7.5		--	--	--	--	--	--	--	--	2.4	--	--			17A
1315	5006	3	95	12 C		311									.04		--			
12/09/71	5001		12.0	46 F	7.6		--	--	--	--	--	--	--	--	2.8	--	--			16A
1320	5006	3	101	8 C		303									.05		--			
01/19/72	5001		10.5	45 F	7.3		30	11	55	3.7	0	85	70	69	8.6	.10	--	338*	120	21A
1320	5006	3	86	7 C	7.4	485	1.50 31	.90 18	2.39 49	.09 2	.00	1.39 28	1.46 30	1.95 39	.14 3		17.0	306	51	2.2
02/07/72	5001			45 F			--	--	53	--	--	--	--	75	--	--	--	391*		
1140	5006			7 C		560			2.31					2.12			--			
02/23/72	5001		10.0	54 F	7.3		--	--	--	--	--	--	--	--	5.3	--	--			21A
1310	5006	3	92	12 C		423									.09		--			
03/20/72	5001		10.0	64 F	7.5		--	--	--	--	--	--	--	--	1.6	--	--			25A
1355	5006	3	105	18 C		201									.03		--			
04/20/72	5001		11.0	59 F	8.1		--	--	--	--	0	68	--	16	.9	--	--			22A
1300	5006	3	109	15 C	7.6	186					.00	1.11 71		.45 29	.01 1		15.0			
05/08/72	5001						--	--	14	--	--	--	--	15	--	--	--	119*		
1150	5006					172			.61					.42			--			

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.M. D DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB SAR
		89 D 753.5 129.3		MIDDLE RIVER AT BORDEN HIGHWAY										CONTINUED						
05/30/72	5001		8.0	73 F	7.2		--	--	--	--	--	--	--	24	.8	--	--			23A
1320	5006		92	23 C		236								.68	.01		13.9			
		3																		
06/16/72	5001		6.9	70 F	7.5		--	--	--	--	--	--	--	--	1.1	--	--			28A
1130	5006		77	21 C		299									.02		--			
		3																		
07/13/72	5001		6.9	79 F	7.5		--	--	--	--	0	73	--	113	1.4	--	--			24A
1445	5006		84	26 C	7.6	575					.00	1.20		3.19	.02		16.8			
		3										27		72						
08/07/72	5001			75 F			--	--	37	--	--	--	--	55	--	--	--	268*		
1220	5006			24 C		325			1.61					1.55			--			
08/17/72	5001		7.8	70 F	7.7		--	--	--	--	--	--	--	46	.6	--	--			17A
1430	5006		87	21 C		298								1.30	.01		15.2			
		3																		
09/25/72	5001		8.1	68 F	7.6		--	--	--	--	--	--	--	29	1.0	--	--			16A
1410	5006		88	20 C		262								.82	.02		14.6			
		3																		
		B9 D 756.1 125.8		WHISKY SLOUGH AT HOLT																
10/05/71	5001		7.2	86 F	7.3		19	10	29	2.4	0	81	35	38	.0	.10	--	206*	89	15A
1220	5006		94	30 C		335	.95	.82	1.26	.06	.00	1.33	.73	1.07	.00		1.6	175	22	1.3
		3					31	27	41	2		42	23	34						
11/11/71	5001		9.4	54 F	7.5		--	--	--	--	--	--	--	--	2.0	--	--			14A
1245	5006		87	12 C		499									.03		--			
		3																		
12/09/71	5001		11.4	46 F	7.6		--	--	--	--	--	--	--	--	5.1	.20	--			14A
1245	5006		96	8 C		655									.08		--			
		3																		
01/19/72	5001		10.0	43 F	7.3		58	22	96	4.8	0	76	180	150	19.9	--	--	606*	235	10A
1250	5006		80	6 C	7.3	862	2.89	1.81	4.18	.12	.00	1.25	3.75	4.23	.32		21.0	589	173	2.7
		3					32	20	46	1		13	39	44	3					
02/23/72	5001		11.4	55 F	7.2		--	--	--	--	--	--	--	--	13.3	--	--			9A
1240	5006		108	13 C		923									.21		--			
		3																		
03/20/72	5001		10.7	66 F	8.4		--	--	--	--	--	--	--	--	4.0	--	--			12A
1325	5006		115	19 C		732									.06		--			
		3																		
04/20/72	5001		11.5	59 F	8.5		--	--	--	--	0	77	--	87	.3	--	--			20A
1215	5006		114	15 C	7.7	577					.00	1.26		2.45	.00		.5			
		3										34		66						
05/30/72	5001		7.0	75 F	7.1		--	--	--	--	--	--	--	82	.4	--	--			12A
1245	5006		82	24 C		545								2.31	.01		.4			
		3																		
06/16/72	5001		5.3	73 F	7.5		--	--	--	--	--	--	--	--	.2	--	--			18A
1045	5006		61	23 C		463									.00		--			
		3																		
07/13/72	5001		8.8	84 F	8.5		--	--	--	--	0	84	--	73	.9	--	--			18A
1350	5006		113	29 C	8.2	428					.00	1.38		2.06	.01		4.6			
		3										40		60						
08/17/72	5001		8.2	72 F	7.7		--	--	--	--	--	--	--	69	1.6	--	--			17A
1350	5006		93	22 C		436								1.95	.03		13.0			
		3																		
09/25/72	5001		5.8	70 F	7.3		--	--	--	--	--	--	--	79	.4	--	--			9A
1330	5006		65	21 C		512								2.23	.01		11.8			
		3																		
		B9 D 758.7 122.9		SAN JOAQUIN RIVER AT BUCKLEY COVE																
10/05/71	5001		5.6	66 F	7.7		33	17	74	6.2	0	151	45	99	5.3	.20	--	402*	153	15A
1120	5006		60	19 C		669	1.65	1.40	3.22	.16	.00	2.47	.94	2.79	.09		15.0	369	29	2.6
		1					26	22	50	2		39	15	44	1					
11/11/71	5001		9.4	54 F	7.7		--	--	--	--	--	--	--	--	6.0	--	--			12A
1145	5006		87	12 C		741									.10		--			
		2																		
12/09/71	5001		11.0	48 F	7.8		--	--	--	--	--	--	--	--	6.1	--	--			10A
1135	5006		95	9 C		693									.10		--			
		2																		
01/19/72	5001		11.0	45 F	7.5		25	9.6	50	2.9	0	87	50	64	3.8	.20	--	302*	102	13A
1140	5006		90	7 C	7.6	423	1.25	.79	2.18	.07	.00	1.43	1.04	1.80	.06		15.0	263	31	2.2
		2					29	18	51	2		33	24	42	1					
02/23/72	5001		10.1	55 F	7.4		--	--	--	--	--	--	--	--	5.1	--	--			15A
1145	5006		96	13 C		577									.08		--			
		3																		
03/20/72	5001		15.0	68 F	8.4		--	--	--	--	--	--	--	--	3.8	--	--			15A
1245	5006		164	20 C		516									.06		--			
		2																		
04/20/72	5001		12.6	61 F	7.5		--	--	--	--	0	108	--	74	3.8	--	--			25A
1125	5006		127	16 C	7.6	505					.00	1.77		2.09	.06		3.8			
		3										45		53	2					
05/30/72	5001		10.0	72 F	7.7		--	--	--	--	--	--	--	34	.3	--	--			17A
1145	5006		113	22 C		295								.96	.00		3.2			
		3																		

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. O DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	MILLIGRAMS PER LITER F SIO2	TDS SUM	TH NCH	TURB SAR
	89 D 758.7 122.9		SAN JOAQUIN RIVER AT BUCKLEY COVE														CONTINUED			
06/16/72	5001		7.6	73 F	7.5		--	--	--	--	--	--	--	--	.6	--	--			16A
0945	5006		88	23 C		282									.01		--			
		3																		
07/13/72	5001		8.5	81 F	8.1		--	--	--	--	0	94	--	49	1.0	--	--			14A
1245	5006		106	27 C	7.9	378					.00	1.54		1.38	.02		7.1			
		1										52		47	1					
08/17/72	5001		7.3	72 F	7.8		--	--	--	--	--	--	--	55	1.1	--	--			18A
1300	5006		83	22 C		365								1.55	.02		8.2			
		2																		
09/25/72	5001		4.3	70 F	7.5		--	--	--	--	--	--	--	79	7.0	--	--			8A
1255	5006		48	21 C		548								2.23	.11		15.2			
		1																		
	89 D 800.5 134.8		OLD RIVER AT HOLLAND TRACT																	
10/26/71	5001		10.3		7.5		--	--	--	--	--	--	--	12	--	--	--			16A
1250	5006					170								.34			12.0			
		3																		
11/08/71	5001			52 F			--	--	14	--	--	--	--	13	--	--	--	114*		
1100	5006			11 C		172			.61					.37			--			
02/07/72	5001			45 F			--	--	30	--	--	--	--	41	--	--	--	235*		
1100	5006			7 C		336			1.31					1.16			--			
03/22/72	5001		9.9	59 F	7.6		--	--	--	--	0	64	--	10	--	--	--			26A
1210	5006		98	15 C	7.6	148					.00	1.05		.28			18.0			
		3																		
04/24/72	5001		11.4	63 F	8.4		--	--	--	--	--	--	--	11	--	--	--			22A
1455	5006		117	17 C		172								.31			16.0			
		3																		
05/08/72	5001						--	--	21	--	--	--	--	27	--	--	--	152*		
1110	5006					217			.91					.76			--			
05/22/72	5001		8.9	66 F	7.7		--	--	--	--	--	--	--	59	--	--	--			18A
1400	5006		95	19 C		362								1.66			--			
		3																		
06/20/72	5001		8.2	70 F	7.4		--	--	--	--	--	--	--	158	--	--	--			26A
1410	5006		91	21 C		693								4.46			17.1			
		3																		
07/18/72	5001		8.5	73 F	8.2		--	--	--	--	--	--	--	224	--	--	--			29A
1300	5006		98	23 C		967								6.32			17.3			
		3																		
08/07/72	5001			75 F			--	--	79	--	--	--	--	130	--	--	--	387*		
1130	5006			24 C		579			3.44					3.67			--			
08/21/72	5001		8.7	72 F	8.2		--	--	--	--	--	--	--	100	--	--	--			16A
1555	5006		99	22 C		506								2.82			13.6			
		3																		
09/21/72	5001		9.6	63 F			--	--	--	--	--	--	--	100	--	--	--			16A
1640	5006		99	17 C		520								2.82			12.8			
		3																		
	89 D 800.7 138.4		DUTCH SLOUGH AT BETHEL ISLAND BRIDGE																	
10/26/71	5001		10.3		7.9		--	--	--	--	--	--	--	15	--	--	--			8A
1315	5006					186								.42			8.0			
		3																		
11/08/71	5001			52 F			--	--	18	--	--	--	--	16	--	--	--	130*		
0850	5006			11 C		203			.78					.45			--			
02/07/72	5001			45 F			--	--	37	--	--	--	--	47	--	--	--	265*		
0845	5006			7 C		382			1.61					1.33			--			
03/22/72	5001		11.2	61 F	8.0		--	--	--	--	0	71	--	16	--	--	--			40A
1300	5006		113	16 C	7.7	185					.00	1.16		.45			17.0			
		3																		
04/24/72	5001		11.7	63 F	8.3		--	--	--	--	--	--	--	21	--	--	--			16A
1530	5006		120	17 C		220								.59			14.0			
		3																		
05/08/72	5001						--	--	42	--	--	--	--	59	--	--	--	265*		
0840	5006					351			1.83					1.66			--			
05/22/72	5001		9.4	66 F	7.8		--	--	--	--	--	--	--	117	--	--	--			15A
1445	5006		101	19 C		565								3.30			--			
		3																		
06/20/72	5001		8.2	68 F	7.0		--	--	--	--	--	--	--	380	--	--	--			27A
1455	5006		90	20 C		1480								10.72			15.6			
		3																		
07/18/72	5001		8.4	73 F	7.9		--	--	--	--	--	--	--	406	--	--	--			32A
1350	5006		97	23 C		1590								11.45			16.5			
		3																		
08/07/72	5001			75 F			--	--	123	--	--	--	--	210	--	--	--	563*		
1050	5006			24 C		864			5.35					5.92			--			

MINERAL ANALYSES OF SURFACE WATER

B9 0 800.7 138.4 DUTCH SLOUGH AT BETHEL ISLAND BRIDGE CONTINUED

DATE TIME	SAMPLER LAB	G.H. Q DEPTH	DO SAT	TEMP	FIELD LABORATORY	PH	EC	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB SAR
08/21/72	5001		8.4	73	F	7.8		--	--	--	--	--	--	--	180	--	--	--			29A
1645	5006		97	23	C		840								5.08			13.2			
		3																			
09/21/72	5001		9.4	63	F			--	--	--	--	--	--	--	67	--	--	--			20A
1720	5006		97	17	C		378								1.89			14.2			
		3																			

B9 0 801.1 142.6 BIG BREAK NEAR OAKLEY

DATE TIME	SAMPLER LAB	G.H. Q DEPTH	DO SAT	TEMP	FIELD LABORATORY	PH	EC	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB SAR
10/15/71	5001		10.4	64	F	7.9		--	--	--	--	--	--	--	8.0	--	--	--			27A
1520	5006		109	18	C		144								.23			11.0			
		3																			
10/27/71	5001		11.3	61	F	8.2		--	--	--	--	0	65	--	11	.4	--	--			14A
1330	5006		114	16	C		154					.00	1.07		.31	.01		12.0			
		3											77		22	1					
11/17/71	5001		11.1	54	F	8.1		--	--	--	--	0	66	--	13	.7	--	--			12A
1615	5006		103	12	C	7.8	166					.00	1.08		.37	.01		15.0			
		3											74		25	1					
12/13/71	5001		12.5	48	F	7.7		--	--	--	--	0	65	--	12	1.2	--	--			14A
1445	5006		108	9	C	7.5	170					.00	1.07		.34	.02		15.0			
		3											75		24	1					
01/10/72	5001		11.0	43	F	7.6		--	--	--	--	0	69	--	25	3.8	--	--			18A
1450	5006		88	6	C	7.5	242					.00	1.13		.71	.06		19.0			
		3											59		37	3					
02/11/72	5001		10.0	48	F	7.5		--	--	--	--	0	69	--	25	2.4	--	--			21A
1500	5006		86	9	C	7.4	227					.00	1.13		.71	.04		16.0			
		3											60		38	2					
03/09/72	5001		10.0	57	F	7.9		--	--	--	--	--	--	--	21	--	--	--			22A
1205	5006		97	14	C		186								.59			18.0			
		3																			
03/23/72	5001		10.8	59	F	8.3		--	--	--	--	0	66	--	14	.3	--	--			22A
1220	5006		107	15	C	7.6	165					.00	1.08		.39	.00		17.0			
		3											73		27						
04/10/72	5001		11.2	59	F	8.5		--	--	--	--	--	--	--	23	--	--	--			19A
1625	5006		111	15	C		196								.65			15.0			
		3																			
05/09/72	5001		9.5	64	F	7.9		--	--	--	--	--	--	--	119	--	--	--			13A
1540	5006		100	18	C		549								3.36			11.0			
		3																			
05/23/72	5001		9.8	68	F	7.8		--	--	--	--	0	73	--	150	.3	--	--			16A
1510	5006		107	20	C	7.6	675					.00	1.20		4.23	.00		13.0			
		3											22		78						
06/07/72	5001		9.4	70	F	8.0		--	--	--	--	--	--	--	255	--	--	--			23A
1535	5006		105	21	C		1050								7.19			14.4			
		3																			
07/05/72	5001		9.3	72	F	8.2		--	--	--	--	--	--	--	585	--	--	--			35A
1450	5006		106	22	C		2150								16.50			15.8			
		3																			
07/18/72	5001		8.8	72	F	8.4		--	--	--	--	0	74	--	393	.8	--	--			34A
1325	5006		100	22	C	7.9	1540					.00	1.21		11.08	.01		16.2			
		3											10		90						
08/07/72	5001		8.4	73	F	8.0		--	--	--	--	--	--	--	214	--	--	--			28A
1655	5006		97	23	C		855								6.03			15.9			
		3																			
08/22/72	5001		9.4	73	F	8.2		--	--	--	--	0	75	--	170	.1	--	--			26A
1620	5006		109	23	C	7.6	794					.00	1.23		4.79	.00		13.0			
		3											20		80						
09/07/72	5001		9.5	72	F	8.1		--	--	--	--	--	--	--	110	--	--	--			25A
1855	5006		108	22	C		573								3.10			13.4			
		3																			
09/21/72	5001		9.6	70	F	8.3		--	--	--	--	0	81	--	79	.4	--	--			22A
1600	5006		107	21	C	7.6	411					.00	1.33		2.23	.01		14.0			
		3											37		62						

B9 D 801.2 148.5 SAN JOAQUIN RIVER AT ANTIOCH SHIP CHANNEL

DATE TIME	SAMPLER LAB	G.H. Q DEPTH	DO SAT	TEMP	FIELD LABORATORY	PH	EC	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB SAR
10/15/71	5001		9.3	66	F	7.6		--	--	--	--	--	--	--	36	--	--	--			45A
1430	5006		100	19	C		255								1.02			11.0			
		3																			
10/27/71	5001		9.8	63	F	7.7		--	--	--	--	0	66	--	38	.4	--	--			18A
1250	5006		101	17	C		256					.00	1.08		1.07	.01		13.0			
		3											50		50						
11/10/71	5001			57	F			--	--	--	--	--	--	--	115	--	--	--	335*		
1010	5006			14	C		558								3.24			--			
11/17/71	5001		10.6	54	F	7.8		--	--	--	--	0	67	--	106	.8	--	--			24A
1535	5006		98	12	C	7.7	500					.00	1.10		2.99	.01		15.0			
		3											27		73						
12/13/71	5001		11.5	48	F	7.7		--	--	--	--	0	66	--	53	1.0	--	--			16A
1410	5006		99	9	C	7.5	327					.00	1.08		1.49	.02		17.0			
		3											42		58	1					
01/10/72	5001		10.0	43	F	7.5		--	--	--	--	0	71	--	24	3.1	--	--			17A
1415	5006		80	6	C	7.3	235					.00	1.16		.68	.05		18.0			
		3											61		36	3					

(Column headings: MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE; B, F, SIO2, TDS SUM, TH NCH in MILLIGRAMS PER LITER.)

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. Q DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB SAR
		89 O 801.2 148.5			SAN JOAQUIN RIVER AT ANTIOCH SHIP CHANNEL									CONTINUED						
02/08/72	5001			48 F			--	--	--	--	--	--	--	26	--	--	--	175*		
0940	5006			9 C		260								.73			--			
02/11/72	5001		9.5	46 F	7.4		--	--	--	--	0	72	--	29	1.9	--	--			17A
1425	5006		80	8 C	7.3	227					.00	1.18		.82	.03		16.0			
		3										58		40	1					
03/09/72	5001		9.8	57 F	7.7		--	--	--	--	--	--	--	19	--	--	--			32A
1130	5006		95	14 C		153								.54			23.0			
		3																		
03/23/72	5001		9.5	59 F	7.9		--	--	--	--	0	65	--	28	.9	--	--			22A
1140	5006		94	15 C	7.4	212					.00	1.07		.79	.01		19.0			
		3										57		42	1					
04/10/72	5001		10.0	59 F	8.1		--	--	--	--	--	--	--	118	--	--	--			26A
1545	5006		99	15 C		510								3.33			15.0			
		3																		
05/09/72	5001						--	--	--	--	--	--	--	335	--	--	--	817*		
0940	5006					1280								9.45			--			
05/09/72	5001		9.8	64 F	7.6		--	--	--	--	--	--	--	570	--	--	--			18A
1445	5006		103	18 C		2060								16.07			13.0			
		3																		
05/23/72	5001		8.8	68 F	7.6		--	--	--	--	0	74	--	695	.6	--	--			25A
1420	5006		96	20 C	7.6	2500					.00	1.21		19.60	.01		13.1			
		3										6		94						
06/07/72	5001		8.8	68 F	7.9		--	--	--	--	--	--	--	1130	--	--	--			24A
1455	5006		96	20 C		3920								31.87			13.4			
		3																		
07/05/72	5001		9.9	70 F	7.8		--	--	--	--	--	--	--	1200	--	--	--			25A
1400	5006		110	21 C		4110								33.84			13.7			
		3																		
07/18/72	5001		8.9	72 F	8.0		--	--	--	--	0	76	--	1130	.6	--	--			27A
1230	5006		101	22 C	7.7	3940					.00	1.25		31.87	.01		13.5			
		3										4		96						
08/07/72	5001		7.9	73 F	7.9		--	--	--	--	--	--	--	940	--	--	--			39A
1630	5006		91	23 C		3090								26.51			13.1			
		3																		
08/08/72	5001			73 F			--	--	--	--	--	--	--	655	--	--	--	1420*		
1015	5006			23 C		2350								18.47			--			
08/22/72	5001		8.8	72 F	7.8		--	--	--	--	0	76	--	530	.0	--	--			27A
1530	5006		100	22 C	7.6	1960					.00	1.25		14.95	.00		11.8			
		3										8		92						
09/07/72	5001		8.3	72 F	7.8		--	--	--	--	--	--	--	490	--	--	--			33A
1750	5006		94	22 C		1740								13.82			12.0			
		3																		
09/21/72	5001		8.5	68 F	8.1		--	--	--	--	0	80	--	170	.1	--	--			29A
1530	5006		93	20 C	7.9	785					.00	1.31		4.79	.00		13.4			
		3										21		79						
		89 O 801.6 145.2			SAN JOAQUIN RIVER AT ANTIOCH BRIDGE (AT LIGHT 12)															
10/15/71	5001		9.0	66 F	7.7		--	--	--	--	--	--	--	26	--	--	--			40A
1455	5006		96	19 C		217								.73			9.3			
		3																		
10/27/71	5001		9.8	63 F	8.0		--	--	--	--	0	66	--	26	.2	--	--			13A
1310	5006		101	17 C		207					.00	1.08		.73	.00		12.0			
		3										60		40						
11/17/71	5001		10.6	54 F	7.7		--	--	--	--	0	68	--	64	.9	--	--			17A
1555	5006		98	12 C	7.7	350					.00	1.11		1.80	.01		15.0			
		3										38		62						
01/10/72	5001			45 F			--	--	--	--	--	--	--	--	--	--	--			
1435				7 C													--			
		3																		
03/09/72	5001		9.9	57 F	7.6		--	--	--	--	--	--	--	21	--	--	--			22A
1145	5006		96	14 C		177								.59			20.0			
		3																		
03/23/72	5001		9.3	59 F	7.9		--	--	--	--	0	65	--	23	.8	--	--			19A
1200	5006		92	15 C	7.5	192					.00	1.07		.65	.01		18.0			
		3										62		38	1					
04/10/72	5001		10.4	61 F	7.6		--	--	--	--	--	--	--	92	--	--	--			20A
1610	5006		105	16 C		412								2.59			15.0			
		3																		
05/09/72	5001		9.6	64 F	7.5		--	--	--	--	--	--	--	370	--	--	--			12A
1510	5006		101	18 C		1420								10.43			11.0			
		3																		
05/23/72	5001		8.6	68 F	7.7		--	--	--	--	0	74	--	490	.1	--	--			16A
1445	5006		94	20 C	7.5	1830					.00	1.21		13.82	.00		12.6			
		3										8		92						
06/07/72	5001		9.1	68 F	7.8		--	--	--	--	--	--	--	770	--	--	--			25A
1515	5006		99	20 C		2780								21.71			14.3			
		3																		
07/05/72	5001		8.8	70 F	8.2		--	--	--	--	--	--	--	800	--	--	--			22A
1430	5006		98	21 C		2900								22.56			15.0			
		3																		

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.M. Q DEPTH	DO SAT	TEMP	FIELD PH	LABORATORY EC	MINERAL CONSTITUENTS IN MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB SAR
							MILLIGRAMS PER LITER										MILLIGRAMS PER LITER			
	89 D 801.6 145.2				SAN JOAQUIN RIVER AT ANTIOCH BRIDGE (AT LIGHT 12)									CONTINUED						
07/18/72 1300	5001 5006	3	8.6 98	72 22	F C	8.3 7.9	2620	--	--	--	--	0 .00	74 1.21 6	--	685 19.32 94	.6 .01	--	-- 15.0			27A
08/07/72 1645	5001 5006	3	7.7 89	73 23	F C	7.8	2130	--	--	--	--	--	--	--	655 18.47	--	--	-- 14.0			27A
08/22/72 1600	5001 5006	3	8.2 93	72 22	F C	7.8 7.6	1700	--	--	--	--	0 .00	77 1.26 9	--	450 12.69 91	.0 .00	--	-- 12.4			27A
09/07/72 1820	5001 5006	3	8.4 95	72 22	F C	7.8	1160	--	--	--	--	--	--	--	300 8.46	--	--	-- 13.0			27A
09/21/72 1550	5001 5006	3	8.0 89	70 21	F C	7.8 7.7	656	--	--	--	--	0 .00	82 1.34 25	--	140 3.95 75	.1 .00	--	-- 13.2			25A
	89 D 801.9 151.4				NEW YORK SLOUGH NEAR PITTSBURG POINT															
10/27/71 1230	5001 5006	3	9.9 102	63 17	F C	7.5	576	--	--	--	--	--	--	--	127 3.58	--	--	-- 12.0			22A
03/23/72 1110	5001 5006	3	9.6 95	59 15	F C	7.9 7.8	299	--	--	--	--	0 .00	65 1.07	--	55 1.55	--	--	-- 20.0			25A
05/23/72 1350	5001 5006	3	8.6 94	68 20	F C	7.7	4500	--	--	--	--	--	--	--	1300 36.66	--	--	-- 13.3			30A
07/18/72 1200	5001 5006	3	8.6 99	73 23	F C	8.2	6390	--	--	--	--	--	--	--	1920 54.14	--	--	-- 11.3			26A
08/22/72 1515	5001 5006	3	8.7 99	72 22	F C	7.8	3350	--	--	--	--	--	--	--	950 26.79	--	--	-- 10.4			29A
09/21/72 1510	5001 5006	3	9.0 98	68 20	F C	8.1	1420	--	--	--	--	--	--	--	250 7.05	--	--	-- 13.6			29A
	89 D 802.6 136.8				FRANKS TRACT NEAR RUSSOS LANDING															
10/14/71 1535	5001 5006	3	10.8 118	68 20	F C	7.9	138	--	--	--	--	--	--	--	6.0 .17	--	--	-- 11.0			20A
10/27/71 1455	5001 5006	3	11.3 116	63 17	F C	8.2	151	--	--	--	--	0 .00	59 .97 80	--	8.0 .23 19	.6 .01 1	--	-- 15.0			13A
11/16/71 1645	5001 5006	3	11.5 104	52 11	F C	7.7 7.8	158	--	--	--	--	0 .00	64 1.05 76	--	8.0 .23 17	6.0 .10 7	--	-- 17.0			15A
03/08/72 1225	5001 5006	3	10.2 101	59 15	F C	7.7	167	--	--	--	--	--	--	--	20 .56	--	--	-- 20.0			26A
03/23/72 1335	5001 5006	3	10.0 99	59 15	F C	8.0 7.6	139	--	--	--	--	0 .00	62 1.02 80	--	9.0 .25 20	.9 .01 1	--	-- 19.0			20A
04/11/72 1540	5001 5006	3	10.5 104	59 15	F C	8.3	157	--	--	--	--	--	--	--	12 .34	--	--	-- 17.0			25A
05/08/72 1555	5001 5006	3	10.6 109	63 17	F C	7.7	276	--	--	--	--	--	--	--	43 1.21	--	--	-- 12.0			15A
05/23/72 1645	5001 5006	3	9.5 106	70 21	F C	7.7 7.5	390	--	--	--	--	0 .00	72 1.18 38	--	69 1.95 62	.6 .01	--	-- 13.4			21A
06/06/72 1520	5001 5006	3	9.3 106	72 22	F C	7.9	519	--	--	--	--	--	--	--	100 2.82	--	--	-- 15.3			18A
07/05/72 1545	5001 5006	3	8.7 99	72 22	F C	7.9	1460	--	--	--	--	--	--	--	378 10.66	--	--	-- 17.0			25A
07/18/72 1600	5001 5006	3	8.8 102	73 23	F C	8.2 7.5	1030	--	--	--	--	0 .00	72 1.18 15	--	242 6.82 85	1.2 .02	--	-- 17.2			32A
08/03/72 1650	5001 5006	3	8.7 99	72 22	F C	7.9	717	--	--	--	--	--	--	--	149 4.20	--	--	-- 16.6			33A
08/22/72 1800	5001 5006	3	9.4 109	73 23	F C	8.1 7.7	567	--	--	--	--	0 .00	74 1.21 30	--	100 2.82 70	.2 .00	--	-- 13.2			24A
09/06/72 1740	5001 5006	3	9.0 102	72 22	F C	8.0	460	--	--	--	--	--	--	--	87 2.45	--	--	-- 13.6			20A
09/21/72 1710	5001 5006	3	9.5 106	70 21	F C	8.4 7.5	366	--	--	--	--	0 .00	81 1.33 42	--	65 1.83 58	.6 .01	--	-- 14.6			20A

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. O DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE									B	F SIO2	TDS SUM	TH NCH	TURB SAR
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3					
89 D 802.6 147.6 SHERMAN LAKE NEAR ANTIOCH																				
10/14/71	5001		9.9	68 F	7.6		--	--	--	--	--	--	--	24	--	--	--			24A
1355	5006		108	20 C		206								.68			12.0			
		3																		
10/26/71	5001		9.7	63 F	7.9		--	--	--	--	0	64	--	25	.4	--	--			15A
1310	5006		100	17 C		203					.00	1.05		.71	.01		13.0			
		3										59		40	1					
11/16/71	5001		11.0	54 F	7.6		--	--	--	--	0	67	--	65	.7	--	--			20A
1330	5006		102	12 C	7.7	364					.00	1.10		1.83	.01		15.0			
		3										37		62						
03/08/72	5001		9.6	57 F	7.6		--	--	--	--	--	--	--	17	--	--	--			37A
0935	5006		93	14 C		143								.48			22.0			
		3																		
03/22/72	5001		9.6	59 F	7.8		--	--	--	--	0	63	--	36	1.0	--	--			29A
1125	5006		95	15 C	7.5	237					.00	1.03		1.02	.02		19.0			
		3										50		49	1					
04/11/72	5001		10.9	59 F	8.0		--	--	--	--	--	--	--	138	--	--	--			28A
1305	5006		108	15 C		535								3.89			17.0			
		3																		
05/08/72	5001		10.6	63 F	7.7		--	--	--	--	--	--	--	410	--	--	--			21A
1245	5006		109	17 C		1560								11.56			13.0			
		3																		
05/22/72	5001		9.5	68 F	7.8		--	--	--	--	0	77	--	450	.6	--	--			27A
1540	5006		104	20 C	8.0	1740					.00	1.26		12.69	.01		14.8			
		3										9		91						
06/06/72	5001		8.8	68 F	8.0		--	--	--	--	--	--	--	670	--	--	--			28A
1225	5006		96	20 C		2510								18.89			15.2			
		3																		
06/20/72	5001		9.1	70 F	8.1		--	--	--	--	0	80	--	1070	1.0	--	--			32A
1505	5006		101	21 C	7.9	3650					.00	1.31		30.17	.02		14.0			
		3										4		96						
07/06/72	5001		9.0	68 F	8.2		--	--	--	--	--	--	--	1100	--	--	--			31A
1410	5006		98	20 C		3750								31.02			14.2			
		3																		
07/19/72	5001		8.4	72 F	8.1		--	--	--	--	0	77	--	1210	.7	--	--			32A
1355	5006		95	22 C	8.0	4170					.00	1.26		34.12	.01		13.5			
		3										4		96						
08/03/72	5001		8.9	70 F	8.1		--	--	--	--	--	--	--	550	--	--	--			40A
1320	5006		99	21 C		1940								15.51			15.0			
		3																		
08/21/72	5001		9.6	72 F	8.1		--	--	--	--	0	74	--	440	.1	--	--			22A
1800	5006		109	22 C	7.7	1610					.00	1.21		12.41	.00		12.8			
		3										9		91						
09/06/72	5001		9.1	72 F	8.1		--	--	--	--	--	--	--	160	--	--	--			30A
1555	5006		103	22 C		921								4.51			14.4			
		3																		
09/20/72	5001		9.1	68 F	7.8		--	--	--	--	0	81	--	160	.1	--	--			18A
1610	5006		99	20 C	7.3	771					.00	1.33		4.51	.00		13.6			
		3										23		77						
89 D 802.7 123.3 DISAPPOINTMENT SLOUGH NEAR LODI																				
10/05/71	5001		9.7	66 F	7.6		15	7.5	13	2.7	0	76	14	17	.1	.10	--	124*	69	26A
1000	5006		104	19 C		185	.75	.62	.57	.07	.00	1.25	.29	.48	.00		11.0	118	6	0.7
		3					37	31	28	3		62	14	24						
11/11/71	5001		10.0	54 F	7.6		--	--	--	--	--	--	--	--	.5	--	--			23A
1030	5006		92	12 C		251									.01		--			
		3																		
12/09/71	5001		11.9	43 F	7.9		--	--	--	--	--	--	--	--	2.0	--	--			18A
1030	5006		95	6 C		281									.03		--			
		3																		
01/19/72	5001		9.6	43 F	7.4		33	9.1	50	4.7	0	107	50	69	10.9	.10	--	329*	120	20A
1030	5006		77	6 C	7.6	483	1.65	.75	2.18	.12	.00	1.75	1.04	1.95	.18		20.0	299	33	2.0
		3					35	16	46	3		36	21	40	4					
02/23/72	5001		10.6	55 F	7.2		--	--	--	--	--	--	--	--	6.7	--	--			23A
1025	5006		100	13 C		392									.11		--			
		3																		
03/20/72	5001		12.9	64 F	7.8		--	--	--	--	--	--	--	--	1.3	--	--			23A
1100	5006		135	18 C		238									.02		--			
		3																		
04/20/72	5001		10.5	59 F	8.3		--	--	--	--	0	81	--	18	.6	--	--			30A
1000	5006		104	15 C	7.6	209					.00	1.33		.51	.01		14.0			
		3										72		28	1					
05/30/72	5001		8.4	72 F	7.2		--	--	--	--	--	--	--	16	.0	--	--			34A
1005	5006		95	22 C		212								.45	.00		12.1			
		3																		
06/16/72	5001		6.1	70 F	7.5		--	--	--	--	--	--	--	--	.5	--	--			38A
0820	5006		68	21 C		239									.01		--			
		3																		
07/13/72	5001		5.8	79 F	7.5		--	--	--	--	0	94	--	18	.8	--	--			33A
1045	5006		71	26 C	7.8	257					.00	1.54		.51	.01		17.4			
		3										75		25						
08/17/72	5001		7.8	68 F	7.9		--	--	--	--	--	--	--	21	.1	--	--			26A
1100	5006		85	20 C		283								.59	.00		16.2			
		3																		

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. Q DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB SAR
89 D 802.7 123.3 DISAPPOINTMENT SLOUGH NEAR LODI CONTINUED																				
09/25/72 1100	5001 5006	3	7.2 77	66 F 19 C	7.8	253	--	--	--	--	--	--	--	15 .42	.2 .00	--	-- 19.0			20A
89 D 803.1 141.3 SAN JOAQUIN RIVER AT JERSEY POINT																				
10/11/71 1045	5001 5006		70 21	F C		137	--	--	11 .48	--	--	--	--	7.0 .20	--	--	-- --	97*		
10/15/71 1555	5001 5006	3	9.6 103	66 F 19 C	7.8	159	--	--	--	--	--	--	--	11 .31	--	--	-- 10.0			25A
10/27/71 1355	5001 5006	3	10.6 111	64 F 18 C	8.0	161	--	--	--	--	0 .00	65 1.07 75	--	12 .34 24	.4 .01 1	--	-- 12.0			12A
11/08/71 1030	5001 5006		52 11	F C		171	--	--	14 .61	--	--	--	--	16 .45	--	--	-- --	116*		
11/17/71 1640	5001 5006	3	11.0 102	54 F 12 C	8.0 7.7	205	--	--	--	--	0 .00	68 1.11 62	--	24 .68 38	.6 .01 1	--	-- 15.0			11A
12/06/71 1030	5001 5006		50 10	F C		162	--	--	13 .57	--	--	--	--	13 .37	--	--	-- --	110*		
12/13/71 1520	5001 5006	3	12.4 104	46 F 8 C	7.6 7.5	180	--	--	--	--	0 .00	67 1.10 71	--	15 .42 27	1.1 .02 1	--	-- 16.0			12A
01/10/72 1030	5001 5006		45 7	F C		236	--	--	20 .87	--	--	--	--	23 .65	--	--	-- --	165*		
01/10/72 1515	5001 5006	3	11.3 91	43 F 6 C	7.6 7.4	218	--	--	--	--	0 .00	67 1.10 64	--	20 .56 33	3.3 .05 3	--	-- 19.0			17A
02/07/72 1030	5001 5006		45 7	F C		217	--	--	17 .74	--	--	--	--	22 .62	--	--	-- --	150*		
02/11/72 1530	5001 5006	3	10.0 84	46 F 8 C	7.5 7.4	202	--	--	--	--	0 .00	70 1.15 64	--	22 .62 34	2.1 .03 2	--	-- 16.0			20A
03/06/72 1030	5001 5006		59 15	F C		197	--	--	16 .70	--	--	--	--	22 .62	--	--	-- --	127*		
03/09/72 1230	5001 5006	3	9.7 96	59 F 15 C	7.8	196	--	--	--	--	--	--	--	22 .62	--	--	-- 20.0			15A
03/23/72 1245	5001 5006	3	9.9 98	59 F 15 C	8.0 7.6	160	--	--	--	--	0 .00	62 1.02 72	--	14 .39 27	.7 .01 1	--	-- 18.0			17A
04/10/72 1025	5001 5006		61 16	F C		177	--	--	14 .61	--	--	--	--	18 .51	--	--	-- --	116*		
04/10/72 1645	5001 5006	3	10.9 108	59 F 15 C	8.2	211	--	--	--	--	--	--	--	30 .85	--	--	-- 16.0			21A
05/08/72 1030	5001 5006					349	--	--	40 1.74	--	--	--	--	62 1.75	--	--	-- --	248*		
05/09/72 1610	5001 5006	3	10.4 107	63 F 17 C	7.5	614	--	--	--	--	--	--	--	140 3.95	--	--	-- 11.0			8A
05/23/72 1540	5001 5006	3	9.2 101	68 F 20 C	7.6 7.7	815	--	--	--	--	0 .00	74 1.21 18	--	195 5.50 82	.3 .00	--	-- 13.1			15A
06/07/72 1605	5001 5006	3	9.2 102	70 F 21 C	7.8	1370	--	--	--	--	--	--	--	355 10.01	--	--	-- 14.4			18A
06/12/72 1025	5001 5006		68 20	F C		847	--	--	120 5.22	--	--	--	--	180 5.08	--	--	-- --	554*		
07/05/72 1520	5001 5006	3	8.6 96	70 F 21 C	8.0	1540	--	--	--	--	--	--	--	410 11.56	--	--	-- 16.8			23A
07/10/72 0925	5001 5006		75 24	F C		1220	--	--	180 7.83	--	--	--	--	306 8.63	--	--	-- --	757*		
07/18/72 1415	5001 5006	3	8.6 98	72 F 22 C	8.2 7.4	1090	--	--	--	--	0 .00	71 1.16 13	--	269 7.59 87	1.0 .02	--	-- 17.0			30A
08/07/72 1025	5001 5006		72 22	F C		711	--	--	96 4.18	--	--	--	--	166 4.68	--	--	-- --	467*		
08/07/72 1715	5001 5006	3	8.0 92	73 F 23 C	7.9	1120	--	--	--	--	--	--	--	292 8.23	--	--	-- 15.5			27A

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. Q DEPTH	OO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	MILLIGRAMS PER LITER TDS SUM	TH NCH	TURB SAR
		89 D 803.1 141.3			SAN JOAQUIN RIVER AT JERSEY POINT										CONTINUED					
08/22/72	5001		8.9	72	F 8.0		--	--	--	--	0	73	--	180	.1	--	--			27A
1645	5006		101	22	C 7.6	814					.00	1.20		5.08	.00		13.2			
		3										19		81						
09/07/72	5001		8.5	70	F 7.9		--	--	--	--	--	--	--	160	--	--	--			22A
1915	5006		95	21	C	793								4.51			13.0			
		3																		
09/11/72	5001			72	F 7.8		--	--	67	--	0	75	--	104	--	--	--	291*		
0940	5006			22	C 7.8	516			2.91		.00	1.23		2.93			--			
09/21/72	5001		9.0	68	F 8.2		--	--	--	--	0	81	--	87	1.3	--	--			25A
1625	5006		98	20	C 7.5	446					.00	1.33		2.45	.02		13.8			
		3										35		64	1					
		89 D 803.7 136.1			FALSE RIVER AT WEBB PUMP															
11/08/71	5001			52	F		--	--	11	--	--	--	--	10	--	--	--	107*		
0930	5006			11	C	152			.48					.28			--			
02/07/72	5001			45	F		--	--	19	--	--	--	--	24	--	--	--	165*		
0935	5006			7	C	237			.83					.68			--			
05/08/72	5001						--	--	21	--	--	--	--	27	--	--	--	160*		
0930	5006					218			.91					.76			--			
08/07/72	5001			73	F		--	--	75	--	--	--	--	127	--	--	--	380*		
0940	5006			23	C	542			3.26					3.58			--			
		89 D 803.8 149.2			SACRAMENTO RIVER ABOVE POINT SACRAMENTO															
10/26/71	5001		9.5	63	F 7.8		--	--	--	--	--	--	--	31	--	--	--			16A
1250	5006		98	17	C	230								.87			13.0			
		3																		
03/22/72	5001		9.2	59	F 7.7		--	--	--	--	0	64	--	23	--	--	--			25A
1110	5006		91	15	C 7.6	188					.00	1.05		.65			19.0			
		3																		
05/22/72	5001		9.5	68	F 7.7		--	--	--	--	--	--	--	740	--	--	--			23A
1515	5006		104	20	C	2720								20.87			14.0			
		3																		
06/20/72	5001		9.0	70	F 8.1		--	--	--	--	--	--	--	1700	--	--	--			24A
1440	5006		100	21	C	5560								47.94			11.6			
		3																		
07/19/72	5001		8.5	70	F 8.2		--	--	--	--	--	--	--	1520	--	--	--			30A
1335	5006		95	21	C	5160								42.86			4.0			
		3																		
08/21/72	5001		8.8	72	F 8.1		--	--	--	--	--	--	--	720	--	--	--			23A
1745	5006		100	22	C	2580								20.30			11.6			
		3																		
09/20/72	5001		9.0	68	F 7.8		--	--	--	--	--	--	--	160	--	--	--			17A
1555	5006		98	20	C	731								4.51			14.6			
		3																		
		89 D 804.7 134.0			SAN JOAQUIN RIVER AT POTATO POINT															
10/14/71	5001		9.6	70	F 7.7		--	--	--	--	--	--	--	7.0	--	--	--			15A
1600	5006		107	21	C	137								.20			17.0			
		3																		
10/27/71	5001		9.9	61	F 7.8		--	--	--	--	0	64	--	9.0	.9	--	--			9A
1525	5006		100	16	C 7.4	150					.00	1.05		.25	.01		16.0			
		3										80		19	1					
11/16/71	5001		10.8	52	F 7.6		--	--	--	--	0	64	--	10	1.0	--	--			10A
1710	5006		98	11	C 7.6	151					.00	1.05		.28	.02		17.0			
		3										78		21	1					
03/08/72	5001		10.2	57	F 7.6		--	--	--	--	--	--	--	17	--	--	--			26A
1155	5006		99	14	C	177								.48			21.0			
		3																		
03/23/72	5001		9.8	59	F 7.8		--	--	--	--	0	61	--	6.0	.8	--	--			17A
1400	5006		97	15	C 7.6	122					.00	1.00		.17	.01		20.0			
		3										85		14	1					
04/11/72	5001		10.8	59	F 7.8		--	--	--	--	--	--	--	9.0	--	--	--			16A
1510	5006		107	15	C	162								.25			18.0			
		3																		
05/08/72	5001		10.2	63	F 7.6		--	--	--	--	--	--	--	13	--	--	--			11A
1515	5006		105	17	C	176								.37			16.0			
		3																		
05/23/72	5001		8.8	68	F 7.4		--	--	--	--	0	79	--	21	.9	--	--			16A
1720	5006		96	20	C 7.6	223					.00	1.29		.59	.01		--			
		3										68		31	1					
06/06/72	5001		8.1	72	F 7.5		--	--	--	--	--	--	--	33	--	--	--			17A
1445	5006		92	22	C	268								.93			18.2			
		3																		
07/05/72	5001		7.9	72	F 7.8		--	--	--	--	--	--	--	128	--	--	--			25A
1610	5006		90	22	C	572								3.61			17.4			
		3																		
07/18/72	5001		8.2	73	F 8.0		--	--	--	--	0	69	--	97	.9	--	--			27A
1530	5006		95	23	C 7.7	479					.00	1.13		2.74	.01		17.9			
		3										29		71						

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. O DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB SAR
89 D 804.7 134.0	SAN JOAQUIN RIVER AT POTATO POINT																			CONTINUED
08/03/72 1610	5001 5006	3	8.3 94	72 F 22 C	7.7	298	--	--	--	--	--	--	--	43 1.21	--	--	-- 17.1			21A
08/22/72 1730	5001 5006	3	8.4 95	72 F 22 C	7.7	268	--	--	--	--	--	--	--	37 1.04	.6 .01	--	-- 15.2			17A
09/06/72 1810	5001 5006	3	8.1 92	72 F 22 C	7.7	251	--	--	--	--	--	--	--	34 .96	--	--	-- 15.8			18A
09/21/72 1730	5001 5006	3	8.4 92	68 F 20 C	8.0 7.4	235	--	--	--	--	0 .00	83 1.36 65	--	26 .73 35	.8 .01	--	-- 16.6			19A
89 D 805.1 144.3	SACRAMENTO RIVER AT EMMATON																			
10/13/71 0920	5001 5006			64 F 18 C		131	--	--	9.8 .43	--	--	--	--	6.0 .17	--	--	-- --	95*		
10/26/71 1340	5001 5006	3	10.2 105	63 F 17 C	7.8	156	--	--	--	--	--	--	--	12 .34	--	--	-- 14.0			12A
11/10/71 0920	5001 5006			54 F 12 C		184	--	--	16 .70	--	--	--	--	19 .54	--	--	-- --	112*		
12/08/71 0900	5001 5006			50 F 10 C		142	--	--	9.4 .41	--	--	--	--	9.0 .25	--	--	-- --	97*		
01/12/72 0930	5001 5006			43 F 6 C		176	--	--	14 .61	--	--	--	--	12 .34	--	--	-- --	120*		
02/09/72 0900	5001 5006			46 F 8 C		148	--	--	10 .44	--	--	--	--	10 .28	--	--	-- --	104*		
03/08/72 0940	5001 5006			57 F 14 C		128	--	--	8.3 .36	--	--	--	--	16 .45	--	--	-- --	88*		
03/22/72 1150	5001 5006	3	9.5 94	59 F 15 C	7.8 7.7	142	--	--	--	--	0 .00	64 1.05	--	10 .28	--	--	-- 20.0			25A
04/10/72 1055	5001 5006			59 F 15 C		187	--	--	16 .70	--	--	--	--	22 .62	--	--	-- --	115*		
05/10/72 0920	5001 5006					293	--	--	34 1.48	--	--	--	--	46 1.30	--	--	-- --	207*		
05/22/72 1620	5001 5006	3	9.6 105	68 F 20 C	8.0	455	--	--	--	--	--	--	--	83 2.34	--	--	-- 16.5			18A
06/14/72 1500	5001 5006			70 F 21 C		583	--	--	76 3.31	--	--	--	--	126 3.55	--	--	-- --	374*		
06/20/72 1545	5001 5006	3	9.5 104	68 F 20 C	8.2	739	--	--	--	--	--	--	--	172 4.85	--	--	-- 17.6			28A
07/12/72 0925	5001 5006			73 F 23 C		1190	--	--	168 7.31	--	--	--	--	301 8.49	--	--	-- --	731*		
07/19/72 1425	5001 5006	3	8.6 96	70 F 21 C	8.3	834	--	--	--	--	--	--	--	166 4.68	--	--	-- 17.4			31A
08/09/72 0930	5001 5006			70 F 21 C		632	--	--	86 3.74	--	--	--	--	145 4.09	--	--	-- --	407*		
08/21/72 1830	5001 5006	3	9.3 106	72 F 22 C	8.2	361	--	--	--	--	--	--	--	70 1.97	--	--	-- 14.6			17A
09/14/72 1525	5001 5006			70 F 21 C	7.8	248	--	--	26 1.13	--	0 .00	80 1.31	--	30 .85	--	--	-- --	160*		
09/20/72 1635	5001 5006	3	9.4 103	68 F 20 C	8.0	283	--	--	--	--	--	--	--	42 1.18	--	--	-- 15.8			13A
89 D 805.2 124.1	WHITE SLOUGH AT RIO BLANCO TRACT																			
10/05/71 0920	5001 5006	3	5.5 59	66 F 19 C	7.7	409	27 1.35 33	15 1.23 30	33 1.44 35	5.1 .13 3	0 .00	161 2.64 66	18 .37 9	35 .99 25	1.0 .02	.10	-- 22.0	248* 235	129 0	16A 1.3
11/11/71 0945	5001 5006	3	6.8 63	54 F 12 C	7.4	525	--	--	--	--	--	--	--	--	27.9 .45	--	-- --			20A
12/09/71 0955	5001 5006	3	9.0 76	46 F 8 C	7.1	546	--	--	--	--	--	--	--	--	41.9 .68	--	-- --			14A

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. Q DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	MILLIGRAMS PER LITER F SIO2	TDS SUM	TH NCH	TURB SAR
							MILLIGRAMS PER LITER													
	89 D 805.2 124.1		WHITE SLOUGH AT RIO BLANCO TRACT												CONTINUED					
01/19/72	5001		7.6	46 F	7.4		35	15	56	9.2	0	161	45	69	37.4	.30	--	400*	149	15A
0935	5006		64	8 C	7.5	570	1.75	1.23	2.44	.24	.00	2.64	.94	1.95	.60		47.0	393	17	2.0
		3					31	22	43	4		43	15	32	10					
02/23/72	5001		7.5	59 F	7.1		--	--	--	--	--	--	--	--	30.6	--	--			26A
0945	5006		74	15 C		498									.49		--			
		3																		
03/20/72	5001		11.0	64 F	7.3		--	--	--	--	--	--	--	--	5.3	--	--			30A
1030	5006		116	18 C		213									.09		--			
		3																		
04/20/72	5001		12.2	63 F	8.4		--	--	--	--	0	155	--	44	14.6	--	--			30A
0855	5006		126	17 C	7.6	438					.00	2.54		1.24	.24		29.0			
		3										63		31	6					
05/30/72	5001		8.2	70 F	7.8		--	--	--	--	--	--	--	25	.4	--	--			24A
0915	5006		91	21 C		323								.71	.01		15.7			
		3																		
06/16/72	5001		6.0	70 F	7.6		--	--	--	--	--	--	--	--	.7	--	--			32A
0735	5006		67	21 C		279									.01		--			
		3																		
07/13/72	5001		5.0	79 F	7.5		--	--	--	--	0	120	--	22	.9	--	--			23A
0950	5006		61	26 C	7.8	313					.00	1.97		.62	.01		22.2			
		3										76		24						
08/17/72	5001		6.3	66 F	7.7		--	--	--	--	--	--	--	53	1.7	--	--			11A
1000	5006		67	19 C		523								1.49	.03		30.0			
		3																		
09/25/72	5001		1.2	64 F	7.0		--	--	--	--	--	--	--	45	.4	--	--			7A
1015	5006		13	18 C		519								1.27	.01		33.2			
		3																		
	89 D 805.2 126.0		WHITE SLOUGH NEAR LODI																	
10/06/71	5001		8.6	64 F	7.2		8.7	6.0	10	1.5	0	66	8.0	7.0	.4	.10	--	99*	46	15A
1005	5006		90	18 C		142	.43	.49	.44	.04	.00	1.08	.17	.20	.01		14.0	88	0	0.6
		3					31	35	31	3		74	12	14	1					
11/12/71	5001		9.7	54 F	7.4		--	--	--	--	--	--	--	--	1.7	--	--			13A
1000	5006		90	12 C		153									.03		--			
		3																		
12/10/71	5001		11.8	45 F	7.4		--	--	--	--	--	--	--	--	2.0	--	--			8A
1030	5006		97	7 C		183									.03		--			
		3																		
01/20/72	5001		10.7	45 F	7.2		19	8.8	19	2.3	0	84	17	31	4.9	.10	--	183*	84	13A
1000	5006		88	7 C	7.6	263	.95	.72	.83	.06	.00	1.38	.35	.87	.08		20.0	163	15	0.9
		3					37	28	32	2		51	13	32	3					
02/24/72	5001		9.6	54 F	7.4		--	--	--	--	--	--	--	--	3.5	--	--			25A
1020	5006		89	12 C		239									.06		--			
		3																		
03/21/72	5001		11.6	61 F	7.5		--	--	--	--	--	--	--	--	.8	--	--			17A
1030	5006		117	16 C		147									.01		--			
		3																		
04/21/72	5001		9.7	59 F	7.4		--	--	--	--	0	67	--	12	1.6	--	--			19A
1025	5006		96	15 C	7.5	158					.00	1.10		.34	.03		18.0			
		3										75		23	2					
05/31/72	5001		7.5	68 F	7.3		--	--	--	--	--	--	--	12	1.2	--	--			20A
0945	5006		82	20 C		203								.34	.02		18.0			
		3																		
06/19/72	5001		7.2	72 F	7.7		--	--	--	--	--	--	--	--	1.0	--	--			26A
1030	5006		82	22 C		182									.02		--			
		2																		
07/14/72	5001		7.4	81 F	7.7		--	--	--	--	0	71	--	9.0	.7	--	--			38A
1030	5006		92	27 C	7.5	172					.00	1.16		.25	.01		18.4			
		3										82		18	1					
08/18/72	5001		8.1	72 F	7.5		--	--	--	--	--	--	--	14	.2	--	--			13A
1030	5006		92	22 C		198								.39	.00		16.6			
		2																		
09/26/72	5001		7.8	66 F	7.7		--	--	--	--	--	--	--	10	.6	--	--			15A
1045	5006		84	19 C		198								.28	.01		16.6			
		3																		
	89 D 805.8 140.1		SAN JOAQUIN RIVER AT TWITCHELL ISLAND																	
10/27/71	5001		10.9	63 F	8.0		--	--	--	--	--	--	--	9.0	--	--	--			10A
1420	5006		112	17 C		147								.25			13.0			
		3																		
11/10/71	5001			54 F			--	--	10	--	--	--	--	9.0	--	--	--	100*		
0955	5006			12 C		142			.44					.25			--			
02/09/72	5001			46 F			--	--	14	--	--	--	--	17	--	--	--	125*		
0935	5006			8 C		181			.61					.48			--			
03/23/72	5001		9.9	59 F	8.0		--	--	--	--	0	63	--	11	--	--	--			17A
1305	5006		98	15 C	7.7	143					.00	1.03		.31			20.0			
		3																		
05/10/72	5001						--	--	28	--	--	--	--	39	--	--	--	163*		
0950	5006					264			1.22					1.10			--			

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. Q DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	FIELD LABORATORY EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TM NCM	TURB SAR
		89 O 805.8 140.1			SAN JOAQUIN RIVER AT TWITCHELL ISLAND									CONTINUED						
05/23/72	5001		9.3	68	F 7.7		--	--	--	--	--	--	--	118	--	--	--			17A
1610	5006		102	20	C	558								3.33			14.1			
		3																		
07/18/72	5001		8.5	72	F 8.1		--	--	--	--	--	--	--	198	--	--	--			29A
1445	5006		96	22	C	863								5.58			16.6			
		3																		
08/09/72	5001			72	F		--	--	98	--	--	--	--	164	--	--	--	455*		
1025	5006			22	C	705			4.26					4.62			--			
08/22/72	5001		9.2	72	F 8.1		--	--	--	--	--	--	--	140	--	--	--			28A
1700	5006		104	22	C	720								3.95			13.4			
		3																		
09/21/72	5001		9.3	68	F 8.2		--	--	--	--	--	--	--	59	--	--	--			26A
1645	5006		102	20	C	470								1.66			15.0			
		3																		
		89 O 808.8 126.1			SYCAMORE SLOUGH NEAR LODI															
10/06/71	5001		0.7	66	F 6.9		14	6.1	12	6.4	0	92	9.0	8.0	.7	.10	--	118*	60	8A
1035	5006		7	19	C	193	.70	.50	.52	.16	.00	1.51	.19	.23	.01		10.0	112	0	0.7
		3					37	27	28	9		78	10	12	1					
11/12/71	5001		8.4	54	F 7.5		--	--	--	--	--	--	--	--	1.0	--	--			14A
1040	5006		78	12	C	194									.02		--			
		3																		
12/10/71	5001		12.5	43	F 7.5		--	--	--	--	--	--	--	--	.8	--	--			10A
1100	5006		100	6	C	124									.01		--			
		3																		
01/20/72	5001		0.2	45	F 7.4		28	11	27	13	0	194	11	18	.3	.10	--	257*	115	20A
1040	5006		2	7	C 7.3	376	1.40	.90	1.17	.33	.00	3.18	.23	.51	.00		23.0	227	0	1.1
		3					37	24	31	9		81	6	13						
02/24/72	5001		1.4	55	F 7.4		--	--	--	--	--	--	--	--	.5	--	--			14A
1105	5006		13	13	C	388									.01		--			
		3																		
03/21/72	5001		8.6	64	F 7.8		--	--	--	--	--	--	--	--	.1	--	--			17A
1110	5006		90	18	C	200									.00		--			
		3																		
04/21/72	5001		11.0	63	F 8.7		--	--	--	--	0	54	--	8.0	.1	--	--			26A
1100	5006		113	17	C 7.3	130					.00	.89		.23	.00		.5			
		3										79		21						
05/31/72	5001		2.8	72	F 6.3		--	--	--	--	--	--	--	5.0	.4	--	--			13A
1030	5006		32	22	C	152								.14	.01		10.0			
		3																		
06/19/72	5001		8.4	70	F 7.7		--	--	--	--	--	--	--	--	.4	--	--			23A
1120	5006		94	21	C	189									.01		--			
		3																		
07/14/72	5001		7.8	84	F 8.1		--	--	--	--	0	55	--	1.0	.3	--	--			20A
1120	5006		100	29	C 7.6	114					.00	.90		.03	.00		5.4			
		3										97		3						
08/18/72	5001		6.8	72	F 7.6		--	--	--	--	--	--	--	5.0	1.4	--	--			15A
1115	5006		77	22	C	133								.14	.02		10.4			
		2																		
09/26/72	5001		1.1	64	F 7.2		--	--	--	--	--	--	--	8.0	.7	--	--			9A
1120	5006		12	18	C	222								.23	.01		15.2			
		3																		
		89 O 809.4 141.0			SACRAMENTO RIVER BELOW RIO VISTA BRIDGE															
10/14/71	5001		9.5	68	F 7.7		--	--	--	--	--	--	--	4.0	--	--	--			15A
1445	5006		104	20	C	124								.11			16.0			
		3																		
10/26/71	5001			61	F 7.6		--	--	--	--	0	63	--	6.0	.8	--	--			8A
1410	5006			16	C	133					.00	1.03		.17	.01		18.0			
		3										85		14	1					
11/10/71	5001			54	F		--	--	8.0	--	--	--	--	6.0	--	--	--	88*		
1315	5006			12	C	129			.35					.17			--			
11/16/71	5001		11.1	54	F 7.6		--	--	--	--	0	64	--	7.0	.7	--	--			10A
1550	5006		103	12	C 7.6	135					.00	1.05		.20	.01		19.0			
		3										83		16	1					
12/13/71	5001		11.9	45	F 7.6		--	--	--	--	0	66	--	6.0	.7	--	--			10A
1605	5006		98	7	C 7.4	139					.00	1.08		.17	.01		18.0			
		3										86		13	1					
01/10/72	5001		12.3	43	F 7.4		--	--	--	--	0	70	--	9.0	.9	--	--			13A
1555	5006		99	6	C 7.5	147					.00	1.15		.25	.01		19.0			
		3										82		18	1					
02/09/72	5001			46	F		--	--	11	--	--	--	--	10	--	--	--	107*		
1250	5006			8	C	154			.48					.28			--			
02/11/72	5001		10.1	48	F 7.6		--	--	--	--	0	70	--	10	.9	--	--			20A
1615	5006		87	9	C 7.6	141					.00	1.15		.28	.01		16.0			
		3										80		19	1					
03/08/72	5001		9.7	55	F 7.6		--	--	--	--	--	--	--	10	--	--	--			60A
1020	5006		92	13	C	110								.28			24.0			
		3																		

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. O DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB SAR
89 D 809.4 141.0 SACRAMENTO RIVER BELOW RIO VISTA BRIDGE CONTINUED																				
03/22/72 1220	5001 5006	3	9.6 93	57 14 F C	7.8 7.7	122	--	--	--	--	0 .00	63 1.03 85	--	6.0 .17 14	.7 .01 1	--	-- 21.0			25A
04/11/72 1400	5001 5006	3	9.5 94	59 15 F C	7.9	152	--	--	--	--	--	--	--	10 .28	--	--	-- 19.0			16A
05/08/72 1355	5001 5006	3	10.0 103	63 17 F C	7.5	177	--	--	--	--	--	--	--	14 .39	--	--	-- 17.0			15A
05/10/72 1300	5001 5006					158	--	--	12 .52	--	--	--	--	10 .28	--	--	-- --	107*		
05/22/72 1700	5001 5006	3	8.1 87	66 19 F C	7.7 8.0	205	--	--	--	--	0 .00	87 1.43 80	--	12 .34 19	1.0 .02 1	--	-- 19.8			18A
06/06/72 1325	5001 5006	3	8.7 99	72 22 F C	7.8	201	--	--	--	--	--	--	--	16 .45	--	--	-- 19.2			17A
06/20/72 1620	5001 5006	3	9.4 105	70 21 F C	8.1 7.8	191	--	--	--	--	0 .00	76 1.25	--	--	.9 .01	--	-- 19.2			20A
07/06/72 1450	5001 5006	3	8.6 94	68 20 F C	8.1	201	--	--	--	--	--	--	--	21 .59	--	--	-- 18.6			21A
07/19/72 1450	5001 5006	3	8.3 94	72 22 F C	8.1 8.0	193	--	--	--	--	0 .00	66 1.08 68	--	18 .51 32	.7 .01 1	--	-- 18.8			20A
08/03/72 1420	5001 5006	3	8.6 96	70 21 F C	7.7	164	--	--	--	--	--	--	--	17 .48	--	--	-- 17.3			17A
08/09/72 1100	5001 5006			72 22 F C		150	--	--	11 .48	--	--	--	--	9.0 .25	--	--	-- --	124*		
08/21/72 1855	5001 5006	3	8.4 94	70 21 F C	7.8 7.6	153	--	--	--	--	0 .00	71 1.16 85	--	7.0 .20 15	.5 .01 1	--	-- 16.6			13A
09/06/72 1645	5001 5006	3	8.6 98	72 22 F C	7.9	235	--	--	--	--	--	--	--	29 .82	--	--	-- 16.0			16A
09/20/72 1700	5001 5006	3	9.4 103	68 20 F C	7.8 7.5	210	--	--	--	--	0 .00	82 1.34 72	--	18 .51 27	.8 .01 1	--	-- 17.0			10A
89 D 810.1 127.9 HOG SLOUGH NEAR THORNTON																				
10/06/71 1115	5001 5006	3	6.8 71	64 18 F C	7.3	222	14 .70 32	8.6 .71 33	16 .70 32	2.8 .07 3	0 .00	72 1.18 56	9.0 .19 9	26 .73 35	.1 .00	.10	-- 14.0	134* 126	71 12	10A 0.8
11/12/71 1120	5001 5006	3	9.6 89	54 12 F C	7.6	328	--	--	--	--	--	--	--	--	.6 .01	--	-- --			10A
12/10/71 1145	5001 5006	3	13.0 107	45 7 F C	7.8	468	--	--	--	--	--	--	--	--	1.0 .02	--	-- --			12A
01/20/72 1125	5001 5006	3	11.3 93	45 7 F C	7.7 7.8	672	46 2.30 34	25 2.06 30	55 2.39 35	3.8 .10 1	0 .00	187 3.06 45	35 .73 11	108 3.05 44	1.3 .02	.10	-- 18.0	445* 384	218 65	8A 1.6
02/24/72 1145	5001 5006	3	11.5 109	55 13 F C	8.0	496	--	--	--	--	--	--	--	--	.1 .00	--	-- --			12A
03/21/72 1155	5001 5006	3	10.7 112	64 18 F C	7.6	286	--	--	--	--	--	--	--	--	.4 .01	--	-- --			13A
04/21/72 1130	5001 5006	3	9.3 94	61 16 F C	7.4 7.5	253	--	--	--	--	0 .00	78 1.28 60	--	30 .85 40	1.4 .02 1	--	-- 16.0			20A
05/31/72 1120	5001 5006	3	7.5 84	70 21 F C	7.3	275	--	--	--	--	--	--	--	38 1.07	.7 .01	--	-- 17.4			27A
06/19/72 1230	5001 5006	3	7.6 85	70 21 F C	7.7	228	--	--	--	--	--	--	--	--	2.2 .04	--	-- --			33A
07/14/72 1220	5001 5006	3	7.4 92	81 27 F C	8.6 7.8	293	--	--	--	--	0 .00	88 1.44 57	--	38 1.07 43	.2 .00	--	-- 18.2			19A
08/18/72 1230	5001 5006	3	8.1 92	72 22 F C	7.6	275	--	--	--	--	--	--	--	32 .90	2.2 .04	--	-- 15.8			22A
09/26/72 1205	5001 5006	3	6.5 70	66 19 F C	7.6	251	--	--	--	--	--	--	--	43 1.21	.8 .01	--	-- 16.6			20A

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. Q DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB SAR
89 D 812.3 126.8 BEAVER SLOUGH NEAR THORNTON																				
10/06/71	5001		10.6	66 F	7.8		10	5.2	11	3.2	0	64	8.0	8.0	.5	.10	--	94*	47	8A
1220	5006		114	19 C		146	.50	.43	.48	.08	.00	1.05	.17	.23	.01		11.0	88	0	0.7
		3					34	29	32	5		72	12	16	1					
11/12/71	5001		8.1	54 F	7.2		--	--	--	--	--	--	--	--	1.2	--	--			13A
1150	5006		75	12 C		98									.02		--			
		3																		
12/10/71	5001		10.7	45 F	7.3		--	--	--	--	--	--	--	--	2.9	--	--			12A
1240	5006		88	7 C		148									.05		--			
		3																		
01/20/72	5001		4.2	43 F	7.2		19	9.6	21	7.8	0	118	11	28	2.4	.10	--	192*	87	11A
1220	5006		34	6 C	7.4	288	.95	.79	.91	.20	.00	1.93	.23	.79	.04		21.0	178	0	1.0
		3					33	28	32	7		65	8	26	1					
02/24/72	5001		7.0	55 F	7.3		--	--	--	--	--	--	--	--	2.2	--	--			16A
1250	5006		66	13 C		360									.04		--			
		3																		
03/21/72	5001		9.3	63 F	7.4		--	--	--	--	--	--	--	--	1.9	--	--			17A
1245	5006		96	17 C		199									.03		--			
		3																		
04/21/72	5001		11.5	59 F	8.4		--	--	--	--	0	55	--	11	.1	--	--			21A
1230	5006		114	15 C	7.6	133					.00	.90		.31	.00		3.0			
		3										74		26						
05/31/72	5001		9.1	70 F	7.6		--	--	--	--	--	--	--	11	.8	--	--			20A
1230	5006		101	21 C		190								.31	.01		16.6			
		3																		
06/19/72	5001		7.0	70 F	7.5		--	--	--	--	--	--	--	--	1.1	--	--			27A
1330	5006		78	21 C		216									.02		--			
		3																		
07/14/72	5001		7.3	81 F	8.2		--	--	--	--	0	84	--	24	.4	--	--			23A
1330	5006		91	27 C	7.8	232					.00	1.38		.68	.01		17.5			
		3										67		33						
08/18/72	5001		7.4	72 F	7.6		--	--	--	--	--	--	--	11	.9	--	--			23A
1300	5006		84	22 C		178								.31	.01		17.0			
		3																		
09/26/72	5001		5.3	66 F	7.5		--	--	--	--	--	--	--	24	.8	--	--			18A
1300	5006		57	19 C		251								.68	.01		16.6			
		3																		
89 D 815.3 126.3 MOKELUMNE RIVER NEAR THORNTON																				
10/06/71	5001		10.6	59 F	7.1		4.6	1.2	2.8	.5	0	22	4.0	.5	.2	.10	--	44*	17	3A
1250	5006		105	15 C		52	.23	.10	.12	.01	.00	.36	.08	.01	.00		9.0	34	0	0.3
		3					50	22	26	2		80	18	2						
11/12/71	5001		9.6	55 F	7.1		--	--	--	--	--	--	--	--	.1	--	--			4A
1240	5006		91	13 C		56									.00		13.0			
		3																		
12/10/71	5001		12.4	41 F	7.0		--	--	--	--	--	--	--	--	.1	--	--			5A
1315	5006		97	5 C		71									.00		--			
		3																		
01/20/72	5001		12.4	46 F	7.2		8.9	2.9	3.9	1.2	0	37	9.0	5.0	.4	.10	--	59*	34	5A
1255	5006		104	8 C	7.4	85	.44	.24	.17	.03	.00	.61	.19	.14	.01		13.0	63	4	0.3
		3					50	27	19	3		64	20	15	1					
02/24/72	5001		11.3	54 F	7.4		--	--	--	--	--	--	--	--	.5	--	--			14A
1325	5006		105	12 C		104									.01		--			
		3																		
03/21/72	5001		11.0	59 F	7.3		--	--	--	--	--	--	--	--	.0	--	--			9A
1320	5006		109	15 C		53									.00		--			
		3																		
04/21/72	5001		10.0	59 F	6.9		--	--	--	--	0	28	--	5.0	.1	--	--			10A
1300	5006		99	15 C	7.5	56					.00	.46		.14	.00		17.0			
		3										77		23						
05/31/72	5001		8.8	73 F	5.7		--	--	--	--	--	--	--	2.0	.2	--	--			16A
1300	5006		102	23 C		64								.06	.00		16.5			
		3																		
06/19/72	5001		10.5	70 F	8.2		--	--	--	--	--	--	--	--	.0	--	--			17A
1410	5006		117	21 C		132									.00		--			
		3																		
07/14/72	5001		10.9	81 F	8.2		--	--	--	--	0	67	--	3.0	.0	--	--			20A
1420	5006		135	27 C	8.3	139					.00	1.10		.08	.00		12.4			
		3										93		7						
08/18/72	5001		8.0	70 F	7.6		--	--	--	--	--	--	--	7.0	.4	--	--			15A
1340	5006		89	21 C		152								.20	.01		14.8			
		3																		
09/26/72	5001		6.7	66 F	7.3		--	--	--	--	--	--	--	4.0	.1	--	--			12A
1330	5006		72	19 C		102								.11	.00		10.4			
		3																		
89 D 816.6 129.8 SNODGRASS SLOUGH AT TWIN CITIES ROAD																				
10/06/71	5001		7.6	66 F	7.2		12	6.8	9.3	1.6	0	70	11	6.0	.5	.10	--	99*	58	22A
1330	5006		81	19 C		155	.60	.56	.40	.04	.00	1.15	.23	.17	.01		16.0	98	1	0.5
		3					38	35	25	3		74	15	11	1					
11/12/71	5001		9.7	54 F	7.5		--	--	--	--	--	--	--	--	.6	--	--			13A
1315	5006		90	12 C		130									.01		--			
		3																		

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.M. O DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE									MILLIGRAMS PER LITER				
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB SAR
B9 D 816.6 129.8 SNODGRASS SLOUGH AT TWIN CITIES ROAD CONTINUED																				
12/10/71 1355	5001 5006	3	11.9 100	46 F 8 C	7.3	143	--	--	--	--	--	--	--	--	.7 .01	--	-- --			10A
01/20/72 1320	5001 5006	3	10.7 88	45 F 7 C	7.3 7.5	205	17 .85 39	7.8 .64 29	15 .65 30	2.1 .05 2	0 .00	89 1.46 65	18 .37 17	13 .37 17	2.1 .03 1	.10	-- 21.0	141* 140	75 2	17A 0.8
02/24/72 1400	5001 5006	3	12.3 114	54 F 12 C	7.3	167	--	--	--	--	--	--	--	--	--	--	-- --			12A
03/21/72 1410	5001 5006	3	11.1 112	61 F 16 C	7.4	132	--	--	--	--	--	--	--	--	.5 .01	--	-- --			16A
04/21/72 1340	5001 5006	3	9.8 99	61 F 16 C	7.4 7.4	150	--	--	--	--	0 .00	70 1.15 83	--	8.0 .23 17	.8 .01 1	--	-- 19.0			15A
05/31/72 1350	5001 5006	3	7.5 84	70 F 21 C	7.3	190	--	--	--	--	--	--	--	14 .39	.8 .01	--	-- 18.6			25A
06/19/72 1500	5001 5006	3	7.6 85	70 F 21 C	7.5	172	--	--	--	--	--	--	--	--	.6 .01	--	-- --			19A
07/14/72 1510	5001 5006	3	8.3 103	81 F 27 C	7.7 7.7	147	--	--	--	--	0 .00	72 1.18 93	--	3.0 .08 6	.8 .01 1	--	-- 19.0			24A
08/18/72 1420	5001 5006	3	7.6 85	70 F 21 C	7.5	152	--	--	--	--	--	--	--	6.0 .17	.5 .01	--	-- 16.8			21A
09/26/72 1415	5001 5006	3	6.5 70	66 F 19 C	7.5	181	--	--	--	--	--	--	--	8.0 .23	.6 .01	--	-- 17.2			18A
B9 D 819.1 130.1 SNODGRASS SLOUGH AT SOUTHERN PACIFIC RR BRIDGE																				
10/06/71 1410	5001 5006	2	6.0 64	66 F 19 C	7.0	186	14 .70 35	9.0 .74 37	12 .52 26	1.8 .05 2	0 .00	88 1.44 74	12 .25 13	9.0 .25 13	.3 .00	.10	-- 17.0	119* 118	72 0	17A 0.6
11/12/71 1350	5001 5006	3	7.4 68	54 F 12 C	7.3	224	--	--	--	--	--	--	--	--	.3 .00	--	-- --			12A
12/10/71 1420	5001 5006	2	11.3 93	45 F 7 C	7.0	311	--	--	--	--	--	--	--	--	.2 .00	--	-- --			5A
01/20/72 1405	5001 5006	3	9.1 75	45 F 7 C	7.3 7.5	313	24 1.20 37	11 .90 28	24 1.04 32	5.1 .13 4	0 .00	118 1.93 58	18 .37 11	34 .96 29	4.4 .07 2	.10	-- 20.0	215* 199	105 9	9A 1.0
02/24/72 1440	5001 5006	3	10.0 95	55 F 13 C	7.3	351	--	--	--	--	--	--	--	--	3.0 .05	--	-- --			14A
03/21/72 1440	5001 5006	3	10.9 114	64 F 18 C	7.5	245	--	--	--	--	--	--	--	--	1.0 .02	--	-- --			17A
04/21/72 1400	5001 5006	3	63 17	F 7.6 C 7.6		267	--	--	--	--	0 .00	110 1.80 72	--	24 .68 27	1.3 .02 1	--	-- 17.0			18A
05/31/72 1425	5001 5006	3	7.7 87	72 F 22 C	7.0	237	--	--	--	--	--	--	--	10 .28	1.2 .02	--	-- 18.8			24A
06/19/72 1540	5001 5006	3	8.4 94	70 F 21 C	7.8	208	--	--	--	--	--	--	--	--	.8 .01	--	-- --			25A
07/14/72 1555	5001 5006	3	5.3 66	81 F 27 C	7.2 7.6	166	--	--	--	--	0 .00	79 1.29 90	--	5.0 .14 10	.0 .00	--	-- .0			17A
08/18/72 1455	5001 5006	3	5.3 60	72 F 22 C	7.3	176	--	--	--	--	--	--	--	8.0 .23	.7 .01	--	-- 18.0			17A
09/26/72 1450	5001 5006	3	4.0 43	66 F 19 C	7.3	194	--	--	--	--	--	--	--	9.0 .25	.3 .00	--	-- 18.0			16A
B9 D 820.7 132.7 SACRAMENTO RIVER AT GREENE'S LANDING																				
10/13/71 1150	5001 5006		64 18	F C		116	--	--	8.0 .35	--	--	--	--	2.0 .06	--	--	-- --	85*		
10/21/71 1000	5050 5000	1.5	9.6 93	57.2F 14.0C	7.3 7.1	102 124	10 .50 40	5.1 .42 34	6.8 .30 24	.8 .02 2	0 .00	64 1.05 76	9.3 .19 14	4.4 .12 9	1.5 .02 1	.04	.0 18.0	88 87	46 0	8A 0.4
10/26/71 0910	5001 5006	3	10.2 94	54 F 12 C	7.4	146	--	--	--	--	--	--	--	6.0 .17	--	--	-- 17.0			8A
11/10/71 1150	5001 5006		54 12	F C	7.4	123	10 .50 37	5.5 .45 34	8.0 .35 26	1.4 .04 3	0 .00	63 1.03 80	6.0 .12 9	5.0 .14 11	--	--	-- --	86* 67	48 0	0.5

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.M. D DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	FIELD LABORATORY EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB SAR
89 0 820.7 132.7 SACRAMENTO RIVER AT GREENE'S LANDING CONTINUED																				
11/17/71 1320	5050 5000	1.5	10.5 97	53.1F 11.7C	7.3 7.4	142 135	10 .50 38	5.5 .45 34	8.1 .35 26	1.3 .03 2	0 .00	69 1.13 78	6.8 .14 10	5.6 .16 11	.6 .01 1	.06	.0 18.0	90 90	48 0	10A 0.5
12/08/71 1125	5001 5006			48 F 9 C		133	--	--	8.6 .37	--	--	--	--	6.0 .17	--	--	-- --	90*		
12/15/71 1300	5050 5000	1.5	11.5 96	45.5F 7.5C	7.3 7.5	135 126	10 .50 39	5.2 .43 34	7.1 .31 24	1.7 .04 3	0 .00	65 1.07 78	6.3 .13 9	5.5 .16 12	.6 .01 1	.04	.0 20.0	89 88	46 0	7A 0.5
01/12/72 1210	5001 5006			43 F 6 C		138	--	--	8.4 .37	--	--	--	--	8.0 .23	--	--	-- --	91*		
01/26/72 1300	5050 5000	1.5	10.6 90	46.8F 8.2C	7.3 7.4	130 122	11 .55 42	5.4 .44 34	6.4 .28 22	1.2 .03 2	0 .00	64 1.05 77	6.8 .14 10	5.9 .17 12	.9 .01 1	.06	.0 19.0	88 88	50 0	50A 0.4
02/09/72 1135	5001 5006			46 F 8 C	7.5	137	11 .55 37	6.2 .51 34	8.5 .37 25	1.8 .05 3	0 .00	63 1.03 72	8.0 .17 12	8.0 .23 16	--	--	-- --	95* 74	53 2	0.5
02/16/72 1350	5050 5000	1.5	10.6 92	49 F 9 C	7.3 7.4	150 147	11 .55 40	5.5 .45 32	8.1 .35 25	1.4 .04 3	0 .00	71 1.16 77	8.1 .17 11	5.7 .16 11	.7 .01 1	.04	.1 22.0	98 97	50 0	10A 0.5
03/08/72 1225	5001 5006			55 F 13 C		109	--	--	6.4 .28	--	--	--	--	10 .28	--	--	-- --	76*		
03/15/72 1405	5050 5000	2	10.3 97	55 F 13 C	7.4 7.7	125 118	11 .55 44	4.9 .40 32	6.1 .27 22	1.3 .03 2	0 .00	66 1.08 81	7.1 .15 11	3.3 .09 7	.7 .01 1	.04	.1 25.0	92 92	48 0	20A 0.4
03/22/72 0830	5001 5006	3	9.6 91	55 F 13 C	7.8 7.6	124	--	--	--	--	0 .00	64 1.05	--	5.0 .14	--	--	-- 20.0			8A
04/03/72 0830	5050 5050		9.0 88	58 F 14 C	7.3 7.4	131 140	--	--	--	--	--	--	--	--	--	--	-- --			10A
04/12/72 1150	5001 5006			61 F 16 C		127	--	--	7.2 .31	--	--	--	--	8.0 .23	--	--	-- --	88*		
04/19/72 1505	5050 5000	2	9.6 93	57 F 14 C	7.3 7.3	135 130	10 .50 39	5.6 .46 36	7.0 .30 23	1.3 .03 2	0 .00	64 1.05 81	6.0 .12 9	4.2 .12 9	.7 .01 1	.05	.1 21.0	88 87	48 0	4A 0.4
04/24/72 1030	5001 5006	3	10.7 108	61 F 16 C	7.4	142	--	--	--	--	--	--	--	7.0 .20	--	--	-- 21.0			10A
05/10/72 1145	5001 5006				7.0	162	9.5 .47 29	6.3 .52 33	13 .57 36	1.4 .04 3	0 .00	73 1.20 72	10 .21 13	9.0 .25 15	--	--	-- --	121* 85	50 0	0.8
05/17/72 1240	5050 5000	2	7.6 84	69 F 21 C	7.4 6.9	210 199	13 .65 34	7.6 .63 33	14 .61 32	1.5 .04 2	0 .00	90 1.48 73	15 .31 15	8.0 .23 11	.6 .01	.04	.0 19.0	123 123	64 0	20A 0.8
05/22/72 0930	5001 5006	3	8.9 92	63 F 17 C	7.4	208	--	--	--	--	--	--	--	11 .31	--	--	-- --			15A
06/14/72 1140	5001 5006			70 F 21 C		172	--	--	12 .52	--	--	--	--	9.0 .25	--	--	-- --	150*		
06/20/72 1030	5001 5006	3	8.4 94	70 F 21 C	6.7	161	--	--	--	--	--	--	--	6.0 .17	--	--	-- 19.0			12A
06/21/72 1125	5050 5000	2	7.5 85	70.9F 21.6C	7.3 7.7	152 151	10 .50 34	5.8 .48 33	10 .44 30	1.1 .03 2	0 .00	76 1.25 75	9.7 .20 12	7.4 .21 13	.5 .01 1	.07	.0 19.0	101 101	49 0	10A 0.6
07/12/72 1200	5001 5006			73 F 23 C		136	--	--	9.0 .39	--	--	--	--	3.0 .08	--	--	-- --	120*		
07/18/72 0925	5001 5006	3	9.4 105	70 F 21 C	7.2	143	--	--	--	--	--	--	--	2.0 .06	--	--	-- 19.4			8A
07/26/72 1030	5050 5000	1.5	8.0 89	70 F 21 C	7.4 7.4	155 151	11 .55 36	6.3 .52 34	10 .44 29	1.2 .03 2	0 .00	70 1.15 74	9.9 .21 13	7.0 .20 13	.2 .00	.50	.1 18.0	98 99	53 0	10A 0.6
08/09/72 1415	5001 5006			73 F 23 C	7.6	152	9.0 .45 26	9.0 .74 43	11 .48 28	1.5 .04 2	0 .00	84 1.38 79	8.0 .17 10	7.0 .20 11	--	--	-- --	102* 87	60 0	0.6
08/16/72 1010	5050 5000	1.5	7.7 84	68.0F 20.0C	7.4 8.1	155 151	14 .70 42	6.1 .50 30	10 .44 26	1.3 .03 2	0 .00	72 1.18 74	10 .21 13	7.4 .21 13	.2 .00	.06	.1 16.0	101 100	60 1	8A 0.6
08/21/72 0945	5001 5006	3	8.2 90	68 F 20 C	7.9	168	--	--	--	--	--	--	--	7.0 .20	--	--	-- 17.0			11A
09/14/72 1310	5001 5006			68 F 20 C	7.5	182	--	--	13 .57	--	0 .00	81 1.33	--	10 .28	--	--	-- --	72*		

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. O DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	FIELD LABORATORY EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F	SIO2	TDS SUM	TH NCH	TURB SAR
		89 D 820.7 132.7		SACRAMENTO RIVER AT GREENE'S LANDING														CONTINUED			
09/19/72	5050		8.1	65 F		280	--	--	--	--	--	--	--	--	--	--	--	--			7A
1215	5050		86	18 C	7.4	173												--			
09/20/72	5050		8.1	64.0F	7.4	171	13	7.0	12	1.2	0	92	8.6	7.9	.2	.07	.1	112	61	10A	
0830	5000		85	17.8C	7.2	175	.65	.58	.52	.03	.00	1.51	.18	.22	.00		17.0	112	0	0.7	
		1.5					37	33	29	2		79	9	12							
09/21/72	5001		8.7	66 F			--	--	--	--	--	--	--	31	--	--	--				7A
1030	5006		93	19 C		182								.87			17.8				
		3																			
		G4 1590.01		SUSAN RIVER NEAR LITCHFIELD																	
10/13/71	5050		10.3	57.2F	8.3	413	--	--	50	--	3.0	226	--	8.6	--	.10	--		115	10E	
1050	5050	32	115	14.0C	8.4	433			2.18		.10	3.70		.24			--				
11/17/71	5050		12.0	41.9F	8.2	393	--	--	--	--	--	--	--	--	--	--	--				5A
1510		6.5	109	5.5C													--				
12/07/71	5050		11.8	32.9F	8.1	466	--	--	45	--	0	212	--	7.8	--	.10	--		110	7E	
1000	5050	45	93	0.5C	8.1	408			1.96		.00	3.47		.22			--				
02/03/72	5050		11.7	32.0F	7.9	431	--	--	48	--	5.0	219	--	14	--	.10	--		122	6A	
1035	5050	54	91	0.0C	8.5	450			2.09		.17	3.59		.39			--				
03/07/72	5050		10.3	48.2F	7.7	197	--	--	19	--	0	109	--	4.9	--	.00	--		63	25A	
1445	5050	340	102	9.0C	7.7	204			.83		.00	1.79		.14			--				
04/06/72	5050		10.5	50.0F	7.7	154	13	4.5	13	2.1	0	83	9.2	3.5	.5	.00	--	121	51	32A	
1455	5050	355	107	10.0C	7.6	161	.65	.37	.57	.05	.00	1.36	.19	.10	.01		--	87	0	0.8	
							40	23	35	3		82	11	6	1						
05/15/72	5050		8.8	66.2F	7.9	330	--	--	38	--	0	171	--	7.5	--	.20	--		102	6A	
1300	5050	80	109	19.0C	7.8	357			1.65		.00	2.80		.21			--				
06/01/72	5050		8.1	68 F	7.8	380	21	12	41	3.6	0	158	42	7.0	.2	.20	--	252	101	7A	
1000	5050	155	102	20 C	8.2	350	1.05	.99	1.78	.09	.00	2.59	.87	.20	.00		--	205	0	1.8	
							27	25	46	2		71	24	5							
07/17/72	5050		10.2	86.0F	8.3		--	--	68	--	0	249	--	16	--	.20	--		138	2A	
1330	5050	175	154	30.0C	7.7	521			2.96		.00	4.08		.45			--				
08/10/72	5050		10.0	75 F	8.3	484	--	--	--	--	--	--	--	--	--	--	--				6A
1030		40	136	24 C													--				
09/06/72	5050		10.9	77.0F	8.1	369	--	--	48	--	0	195	--	9.2	--	.20	--		105	8A	
1345	5050	25	151	25.0C	8.2	426			2.09		.00	3.20		.26			--				
		G4 1600.00		SUSAN RIVER AT SUSANVILLE																	
10/13/71	5050	1.32	10.2	53.6F	7.8	155	--	--	--	--	--	--	--	--	--	--	--				1A
1300		15	109	12.0C													--				
11/17/71	5050	1.39	12.2	35.6F	7.5	150	--	--	--	--	--	--	--	--	--	--	--				1A
1600		19	102	2.0C													--				
12/07/71	5050	1.41	12.4	33.1F	7.4	149	--	--	5.5	--	0	95	--	.0	--	.00	--		68	2E	
1030	5050	20	99	0.6C	7.9	154			.24		.00	1.56		.00			--				
01/05/72	5050	1.56	12.8	32.9F	7.4	159	--	--	--	--	--	--	--	--	--	--	--				1A
1600		27	102	0.5C													--				
02/03/72	5050		12.8	34.7F	7.5	143	--	--	--	--	--	--	--	--	--	--	--				2A
1115		35	105	1.5C													--				
03/02/72	5050	3.14	10.3	46.4F	7.3	85	--	--	3.2	--	0	48	--	1.2	--	.00	--		36	10A	
1530	5050	265	100	8.0C	7.3	82			.14		.00	.79		.03			--				
04/06/72	5050	3.36	10.6	46 F	7.3	80	--	--	--	--	--	--	--	--	--	--	--				11A
1325		319	103	8 C													--				
05/15/72	5050	2.02	9.5	54.5F	7.9	92	--	--	3.5	--	0	56	--	.6	--	.00	--		41	1A	
1215	5050	65	103	12.5C	7.6	94			.15		.00	.92		.02			--				
06/01/72	5050	2.55	10.0	55.4F	7.2		--	--	2.9	--	0	38	--	.0	--	.00	--		30	10A	
0630	5050	140	110	13.0C	7.3	71			.13		.00	.62		.00			--				
07/17/72	5050	2.45	6.8	77 F	7.9	68	--	--	--	--	--	--	--	--	--	--	--				4A
1245		154	95	25 C													--				
08/10/72	5050	1.45	7.9	72.5F	8.1	111	--	--	--	--	--	--	--	--	--	--	--				1A
1145		21	105	22.5C													--				
09/06/72	5050	1.09	8.7	68 F	8.1	167	--	--	--	--	--	--	--	--	--	--	--				0A
1310		6.9	110	20 C													--				

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. Q DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	FIELD LABORATORY EC	MINERAL CONSTITUENTS IN MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	MILLIGRAMS PER LITER F	SIO2	TDS SUM	TH NCH	TURB SAR
	G6 1100.00					LONG VALLEY CREEK NEAR DOYLE NEAR MOUTH															
11/18/71	5050					463	--	--	--	--	--	--	--	--	--	--	--	--			190A
01/06/72	5050					625	--	--	--	--	--	--	--	--	--	--	--	--			10A
03/08/72	5050					313	--	--	--	--	--	--	--	--	--	--	--	--			140A
04/19/72	5050		8.2	48.0F	8.0	545	34	11	61	4.1	0	216	64	19	.5	.40	--	326	130	1A
0845	5050	3.5	81	8.9C	8.0	512	1.70	.90	2.65	.10	.00	3.54	1.33	.54	.01		--	300	0	2.3
							32	17	50	2		65	25	10						
	G6 1705.00					LONG VALLEY CREEK NEAR HALLELUJAH JUNCTION															
11/18/71	5050	2.41	11.7	35.6F	7.7	243	--	--	15	--	0	150	--	2.3	--	.10	--		120	2E
0930	5050	3.2	99	2.0C	8.0	259			.65		.00	2.46		.06			--			
01/06/72	5050	2.75	11.7	32.0F	7.6	274	27	12	18	3.0	0	159	15	3.2	1.3	.00	--	184	119	5E
0945	5050	4.7	94	0.0C	8.0	286	1.35	.99	.78	.08	.00	2.61	.31	.09	.02		--	158	0	0.7
							42	31	24	3		86	10	3	1					
03/08/72	5050	2.76	11.0	41.9F	7.8	189	--	--	10	--	0	117	--	1.2	--	.00	--		81	9A
0905	5050	22	103	5.5C	7.8	196			.44		.00	1.92		.03			--			
05/15/72	5050	2.29	7.8	63.0F	8.3	282	--	--	20	--	0	173	--	3.1	--	.00	--		113	9A
1015	5050	2.1	96	17.2C	8.2	286			.87		.00	2.84		.09			--			
07/17/72	5050		7.1	75.2F	8.1		--	--	21	--	0	173	--	5.0	--	.00	--		102	1A
1120	5050	1.0	99	24.0C	7.9	296			.91		.00	2.84		.14			--			
09/06/72	5050	2.27	9.0	71.6F	8.2	273	--	--	22	--	0	177	--	4.6	--	.00	--		106	0A
1130	5050	1.0	121	22.0C	8.1	299			.96		.00	2.90		.13			--			
	G7 L 856.3 000.5					LAKE TAHOE AT TAHOE KEYS PIER (S-1)															
05/03/72	5050		9.5	50.9F	7.4	97	--	--	--	--	--	--	--	1.7	--	--	--			0.32A
1130	5050	2	106	10.5C		92								.05			--			
08/02/72	5050		7.4	67.6F	7.7	87	--	--	--	--	--	--	--	.8	--	--	--			0.30A
1145	5050		101	19.8C		92								.02			--			
	G7 L 856.4 000.6					LAKE TAHOE NEAR TAHOE KEYS (L-1)															
05/03/72	5050		9.7	48.2F	7.5	86	--	--	--	--	--	--	--	1.8	--	--	--			0.19A
1105	5050		105	9.0C		91								.05			--			
08/02/72	5050		7.6	65.7F	7.7	91	--	--	--	--	--	--	--	1.3	--	--	--			0.15A
1040	5050		102	18.7C		91								.04			--			
	G7 L 856.5 003.4					LAKE TAHOE NEAR CAMP RICHARDSON (S-6)															
05/03/72	5050		9.7	47.4F	7.7	91	--	--	--	--	--	--	--	1.2	--	--	--			0.15A
1125	5050	2	104	8.5C		91								.03			--			
08/02/72	5050		7.6	65.6F	7.7	90	--	--	--	--	--	--	--	1.3	--	--	--			0.21A
1055	5050		102	18.6C		92								.04			--			
	G7 L 857.0 958.0 2					LAKE TAHOE AT SURF AND SANDS PIER (S-10)															
05/03/72	5050		9.6	49.6F	7.5	92	--	--	--	--	--	--	--	1.6	--	--	--			0.46A
1100	5050	2	106	9.8C		87								.05			--			
08/02/72	5050		7.4	67.6F	7.7	85	--	--	--	--	--	--	--	1.3	--	--	--			0.26A
1100	5050	3	101	19.8C		93								.04			--			
	G7 L 900.0 000.0					LAKE TAHOE - SOUTH CENTER (C-1)															
05/03/72	5050			46.4F	7.7	92	--	--	--	--	--	--	--	1.9	--	--	--			0.18A
1010	5050	2		8.0C		92								.05			--			
08/02/72	5050		7.6	65.6F	7.7	90	--	--	--	--	--	--	--	1.3	--	--	--			0.10A
0945	5050		102	18.6C		87								.04			--			
	G7 L 900.4 956.9					LAKE TAHOE AT ZEPHYR COVE PIER (S-8)															
05/03/72	5050		9.6	45.3F	7.4	95	--	--	--	--	--	--	--	1.8	--	--	--			0.14A
0915	5050	2	100	7.4C		93								.05			--			
08/02/72	5050		7.4	65.7F	7.7	82	--	--	--	--	--	--	--	.4	--	--	--			0.22A
0900	5050	3	99	18.7C		93								.01			--			

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. Q DEPTH	OO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB SAR
G7 L 900.5 956.9 LAKE TAHOE AT ZEPHYR COVE (L-8)																					
05/03/72	5050		9.7	45.8F	7.5	89		--	--	--	--	--	--	--	1.7	--	--	--			0.14A
0955	5050		101	7.7C		92									.05			--			
		2																			
08/02/72	5050		7.6	65.9F	7.7	90		--	--	--	--	--	--	--	.4	--	--	--			0.13A
0920	5050		102	18.8C		91									.01			--			
G7 L 900.9 006.8 LAKE TAHOE AT RUBICON BAY (L-2)																					
05/03/72	5050		9.6	49.4F	7.6	91		--	--	--	--	--	--	--	1.8	--	--	--			0.13A
1220	5050		105	9.7C		91									.05			--			
		2																			
08/02/72	5050		7.7	66.6F	7.8	91		--	--	--	--	--	--	--	.8	--	--	--			0.14A
1125	5050		104	19.2C		91									.02			--			
G7 L 900.9 006.8 2 LAKE TAHOE AT RUBICON BAY PIER (S-2)																					
05/03/72	5050		9.7	46.4F	7.4	99		--	--	--	--	--	--	--	2.5	--	--	--			0.15A
1230	5050		102	8.0C		92									.07			--			
		2																			
08/02/72	5050		7.4	67.5F	7.7	84		--	--	--	--	--	--	--	.8	--	--	--			0.14A
1240	5050		101	19.7C		93									.02			--			
		3																			
G7 L 902.3 007.2 LAKE TAHOE AT MEEKS BAY RESORT PIER (S-12)																					
05/10/72	5050		9.8	43.7F	7.5	92		--	--	--	--	--	--	--	2.4	--	--	--			0.10A
0800	5050		99	6.5C		93									.07			--			
		2																			
08/09/72	5050		7.3	66.9F	7.7	88		--	--	--	--	--	--	--	2.1	--	--	--			0.10A
0810	5050		99	19.4C		93									.06			--			
G7 L 904.5 008.4 2 LAKE TAHOE AT CHAMBERS LANDING PIER (S-9)																					
05/03/72	5050		9.8	44.6F	7.4	101		--	--	--	--	--	--	--	1.6	--	--	--			0.29A
1315	5050		101	7.0C		93									.05			--			
		2																			
08/02/72	5050		7.6	66.6F	7.7	90		--	--	--	--	--	--	--	.8	--	--	--			0.20A
1315	5050		103	19.2C		92									.02			--			
		3																			
G7 L 905.3 956.4 LAKE TAHOE AT GLENBROOK BAY PIER (S-3)																					
05/10/72	5050		9.5	51.3F	7.5	92		--	--	--	--	--	--	--	2.6	--	--	--			0.17A
1305	5050		107	10.7C		92									.07			--			
		2																			
08/09/72	5050		7.2	70.7F	7.7	92		--	--	--	--	--	--	--	1.6	--	--	--			0.15A
1355	5050		102	21.5C		91									.05			--			
G7 L 907.8 009.2 LAKE TAHOE AT WARD CREEK PIER (S-11)																					
05/10/72	5050		10.1	45.5F	7.4	74		--	--	--	--	--	--	--	2.0	--	--	--			0.13A
1020	5050		105	7.5C		93									.06			--			
		2																			
08/09/72	5050		7.4	66.7F	7.8	90		--	--	--	--	--	--	--	2.1	--	--	--			0.09A
0945	5050		100	19.3C		93									.06			--			
G7 L 908.7 000.3 LAKE TAHOE - NORTH CENTER (C-2)																					
05/03/72	5050		9.8	46.2F	7.6	89		--	--	--	--	--	--	--	2.4	--	--	--			0.09A
0855	5050		103	7.9C		92									.07			--			
08/02/72	5050		7.8	64.9F	7.8	90		--	--	--	--	--	--	--	1.8	--	--	--			0.12A
0840	5050		103	18.3C		93									.05			--			
G7 L 910.8 007.1 2 LAKE TAHOE AT US COAST GUARD PIER (S-5)																					
05/10/72	5050		9.9	47.4F	7.5	91		--	--	--	--	--	--	--	2.6	--	--	--			0.16A
1210	5050		106	8.5C		93									.07			--			
		2																			
08/09/72	5050		7.5	68.9F	7.8	92		--	--	--	--	--	--	--	1.3	--	--	--			0.18A
1155	5050		104	20.5C		90									.04			--			
G7 L 914.2 002.2 LAKE TAHOE AT TAHOE VISTA (L-7)																					
05/03/72	5050		9.0	45.9F	7.8	90		--	--	--	--	--	--	--	1.9	--	--	--			0.23A
0745	5050		94	7.7C		92									.05			--			
		2																			
08/02/72	5050		7.8	64.8F	7.7	90		--	--	--	--	--	--	--	.8	--	--	--			0.16A
0740	5050		103	18.2C		91									.02			--			
G7 L 914.2 002.3 LAKE TAHOE AT KINGS BEACH PIER (S-7)																					
05/03/72	5050		9.9	45.5F	7.4	95		--	--	--	--	--	--	--	1.1	--	--	--			0.34A
0745	5050		103	7.5C		93									.03			--			
		2																			
08/02/72	5050		7.4	64.4F	7.7	90		--	--	--	--	--	--	--	.4	--	--	--			0.21A
0730	5050		98	18.0C		93									.01			--			
		3																			

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. Q DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB SAR
G7 L 914.2 956.6 LAKE TAHOE AT KINGS CASTLE PIER (S-4)																				
05/03/72	5050		9.6	45.5F	7.3	96	--	--	--	--	--	--	--	1.8	--	--	--			0.23A
0830	5050		100	7.5C		92								.05			--			
		2																		
08/02/72	5050		7.3	67.1F	7.7	80	--	--	--	--	--	--	--	1.0	--	--	--			0.19A
0810	5050		99	19.5C		88								.03			--			
		3																		
G7 L 914.3 956.8 LAKE TAHOE AT INCLINE GUARD STATION (L-4)																				
05/03/72	5050		9.8	46.0F	7.6		--	--	--	--	--	--	--	1.3	--	--	--			0.23A
0820	5050		103	7.8C		91								.04			--			
		2																		
08/02/72	5050		7.6	66.9F	7.7	90	--	--	--	--	--	--	--	1.0	--	--	--			0.18A
0810	5050		103	19.4C		92								.03			--			
G7 1195.00 TRUCKEE RIVER AT FARAD																				
04/27/72	5050	3.56	10.0	45 F	7.3	78	8.2	2.8	4.8	--	0	40	--	2.5	--	--	--		32	1.3A
0900	5050	887	99	7 C	7.6	84	.41	.23	.21		.00	.66		.07			--		0	0.4
							48	27	25											
09/29/72	5050	2.75	9.4	53 F	7.6	91	8.3	2.7	5.4	--	0	48	--	5.1	--	--	--		32	1A
0800	5050		104	12 C	7.5	94	.41	.22	.23		.00	.79		.14			--		0	0.4
							48	26	27											
G7 3020.01 BURTON CREEK IN STAR HARBOR (T-8)																				
05/10/72	5050		10.1	42.4F	7.3	55	--	--	--	--	--	--	--	.5	--	--	--			2.00A
1135	5050	7.5	101	5.8C		58								.01			--			
		1																		
08/09/72	5050		8.7	64.2F	7.8	99	--	--	--	--	--	--	--	1.2	--	--	--			3.00A
1125	5050		114	17.9C		102								.03			--			
G7 3050.01 WARD CREEK NEAR MOUTH (T-5)																				
05/10/72	5050		10.1	42.6F	7.3	38	--	--	--	--	--	--	--	.0	--	--	--			0.46A
1015	5050	60	101	5.9C		40								.00			--			
		1																		
08/09/72	5050		7.5	63.1F	7.6	79	--	--	--	--	--	--	--	.5	--	--	--			0.32A
0920	5050	5.5	98	17.3C		70								.01			--			
G7 3160.01 MADDEN CREEK NEAR MOUTH (T-10)																				
05/10/72	5050		10.4	39.6F	7.3	40	--	--	--	--	--	--	--	.0	--	--	--			0.27A
0935	5050	20	99	4.2C		42								.00			--			
		1																		
08/09/72	5050		7.9	58.7F	7.2	48	--	--	--	--	--	--	--	.0	--	--	--			0.15A
1035	5050	1.5	98	14.8C		49								.00			--			
G7 3230.01 THIRD CREEK NEAR MOUTH (T-6)																				
05/10/72	5050		9.5	47.3F	7.1	44	--	--	--	--	--	--	--	.4	--	--	--			2.51A
1205	5050	8.5	101	8.5C		43								.01			--			
08/09/72	5050		7.0	68.9F	7.5	72	--	--	--	--	--	--	--	.0	--	--	--			1.00A
1200	5050	3.5	97	20.5C		72								.00			--			
G7 3253.01 INCLINE CREEK AT INCLINE VILLAGE (T-2)																				
05/10/72	5050		9.5	45.5F	7.3	44	--	--	--	--	--	--	--	.6	--	--	--			3.50A
1225	5050	8.5	99	7.5C		50								.02			--			
		1																		
08/09/72	5050		7.3	67.1F	7.8	68	--	--	--	--	--	--	--	.6	--	--	--			5.10A
1215	5050		99	19.5C		68								.02			--			
G7 3300.01 GENERAL CREEK NEAR MEEKS BAY (T-3)																				
05/10/72	5050		11.0	36.5F	6.8	13	--	--	--	--	--	--	--	.6	--	--	--			0.21A
0830	5050	15	100	2.5C		15								.02			--			
08/09/72	5050		8.0	55.4F	7.3	60	--	--	--	--	--	--	--	.0	--	--	--			0.25A
0840	5050	3.5	95	13.0C		58								.00			--			
G7 3571.01 TAYLOR CREEK NEAR CAMP RICHARDSON (T-4)																				
05/10/72	5050		9.8	40.9F	7.1	22	--	--	--	--	--	--	--	.6	--	--	--			0.25A
0830	5050	160	96	4.9C		23								.02			--			
		1																		
08/09/72	5050		7.3	66.6F	7.0	25	--	--	--	--	--	--	--	.0	--	--	--			0.25A
0915	5050	6.5	99	19.2C		25								.00			--			
G7 3679.90 EDGEWOOD CREEK AT MOUTH (T-7A)																				
08/09/72	5050		4.3	66.3F	8.9	113	--	--	--	--	--	--	--	2.9	--	--	--			3.10A
0720	5050	2.5	58	19.0C		113								.08			--			

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. Q DEPTH	OO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB SAR
	G7	3680.00			EDGEWOOD CREEK AT HIGHWAY 50 (T-7)															
05/10/72	5050		10.3	39.8F	7.3		--	--	--	--	--	--	--	2.0	--	--	--			3.50A
0705	5050	6.5 1	99	4.3C		99								.06			--			
08/09/72	5050		8.7	50.3F	7.3	97	--	--	--	--	--	--	--	.0	--	--	--			2.50A
0805	5050	2.5	97	10.2C		98								.00			--			
	G7	3705.01			UPPER TRUCKEE RIVER NEAR MOUTH (T-1)															
05/10/72	5050		9.8	36.5F	6.8	30	--	--	--	--	--	--	--	2.0	--	--	--			2.00A
0655	5050	35 1	89	2.5C		31								.06			--			
08/09/72	5050		6.0	64.4F	7.3	70	--	--	--	--	--	--	--	4.6	--	--	--			1.80A
0700	5050	10	79	18.0C		76								.13			--			
	G7	3810.01			TROUT CREEK NEAR MOUTH (T-9)															
05/10/72	5050		10.4	38.4F	7.1	45	--	--	--	--	--	--	--	.3	--	--	--			2.45A
0745	5050	55 1	98	3.6C		40								.01			--			
08/09/72	5050		8.3	57.0F	7.2	48	--	--	--	--	--	--	--	.0	--	--	--			2.75A
0840	5050	20	100	13.9C		48								.00			--			
	G8	2300.00			CARSON RIVER, WEST FORK, AT WOODFORDS															
04/27/72	5050	2.09	9.2	49 F	7.3	50	5.7	1.4	2.7	--	0	28	--	.0	--	--	--		20	.4A
1500	5050	182	99	9 C	7.5	52	.28	.12	.12		.00	.46		.00			--		0	0.3
							54	23	23											
09/28/72	5050	1.16	10.1	45 F	7.3	75	9.4	1.3	3.5	--	0	42	--	1.7	--	--	--		29	1A
0845	5050		102	7 C	7.4	78	.47	.11	.15		.00	.69		.05			--		0	0.3
							64	15	21											
	G8	3420.20			CARSON RIVER, EAST FORK, AT HIGHWAY 4															
04/27/72	5050		8.8	53 F	7.6	91	9.4	2.6	6.8	--	0	48	--	1.0	--	--	--		34	.4A
1430	5050		98	12 C	7.5	94	.47	.21	.30		.00	.79		.03			--		0	0.5
							48	21	31											
09/28/72	5050		10.1	47 F	7.8	125	12	3.4	8.2	--	0	69	--	3.7	--	--	--		44	1A
0945	5050	40	104	8 C	7.5	131	.60	.28	.36		.00	1.13		.10			--		0	0.5
							48	23	29											
	G9	2460.00			WEST WALKER RIVER BELOW LITTLE WALKER RIVER															
04/27/72	5050	1.93	9.8	46 F	7.4	64	7.6	1.5	3.5	--	0	36	--	.0	--	--	--		25	.3A
1125	5050	198	104	8 C	7.4	75	.38	.12	.15		.00	.59		.00			--		0	0.3
							58	18	23											
09/28/72	5050	0.87	9.8	53 F	8.0	160	13	3.5	17	--	0	80	--	5.4	--	--	--		47	1A
1120	5050		114	12 C	7.9	173	.65	.29	.74		.00	1.31		.15			--		0	1.1
							39	17	44											
	G9	3200.00			EAST WALKER RIVER NEAR BRIDGEPORT															
04/27/72	5050	1.90	9.2	48 F	8.0	200	24	4.9	17	--	0	115	--	1.7	--	--	--		80	3.6A
1300	5050	251	100	9 C	7.9	222	1.20	.40	.74		.00	1.88		.05			--		0	0.8
							51	17	32											
09/28/72	5050	1.02	7.9	56 F	7.9	225	30	4.4	13	--	0	135	--	1.6	--	--	--		93	44A
1215	5050		95	13 C	7.9	246	1.50	.36	.57		.00	2.21		.05			--		0	0.6
							62	15	23											

TABLE D-3

MINOR ELEMENT ANALYSIS OF SURFACE WATER

Lab and Sampler Agency Codes

5000	-	U. S. Geological Survey
5001	-	U. S. Bureau of Reclamation
5002	-	U. S. Army, Corps of Engineers
5006	-	McClellan Air Force Base Laboratory*
5050	-	Department of Water Resources

Abbreviations

TIME	-	Pacific Standard Time on a 24-hour clock
DISCH	-	Instantaneous discharge in cubic feet per second
EC	-	Electrical conductance in micromhos at 25° Celsius
TEMP	-	Water temperature at time of sampling in degrees Fahrenheit (F) and Celsius (C)
PH	-	Measure of acidity (<7) or alkalinity (>7) of water
CHROM (ALL)	-	All chromium
CHROM (HEX)	-	Hexavalent chromium
D	-	Dissolved
T	-	Total

*When the testing laboratory is 5006 (McClellan Air Force Base) and the various constituents have a value equal to that shown in the following tabulation, the actual value is less than twice the printed value.

Constituent	Printed Value	Actual Value
Cadmium	0.005	<0.01
Chromium	0.005	<0.01
Copper	0.025	<0.05
Iron	0.050	<0.10
Lead	0.005	<0.01
Manganese	0.025	<0.05
Zinc	0.005	<0.01

TABLE D-3 (CONTINUED)

MINOR ELEMENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB	DEPTH	DISCH EC	TEMP PH	ARSENIC	CONSTITUENTS IN MILLIGRAMS PER LITER BARIUM CADMIUM	CHROM (ALL) CHROM (HEX)	COPPER IRON	LEAD MANGANESE	MERCURY SELENIUM	SILVER ZINC
	A0 V 836.3 128.4		NATOMAS EAST MAIN DRAIN AT SACRAMENTO								
4/03/72	5050		20 E	59 F		--	--	--	--	0.0000 T	--
0950	5050		280	7.1	--	--	--	--	--	--	--
7/26/72	5050		25 E	68 F		--	--	--	--	0.0000 T	--
0700	5050		350	7.1	--	--	--	--	--	--	--
9/19/72	5050		30 E	68 F		--	--	--	--	0.0000 T	--
0730	5050		350	7.1	--	--	--	--	--	--	--
	A0 V 836.4 131.4		NATOMAS MAIN DRAIN TO SACRAMENTO RIVER								
4/03/72	5050			61 F		--	--	--	--	0.0000 T	--
1045	5050		260	7.6	--	--	--	--	--	--	--
7/26/72	5050			71 F		--	--	--	--	0.0000 T	--
1045	5050		460	7.4	--	--	--	--	--	--	--
9/19/72	5050			65 F		--	--	--	--	0.0000 T	--
0750	5050		440	7.3	--	--	--	--	--	--	--
	A0 V 847.4 135.8		R-D 1001 DRAINAGE TO NATOMAS CROSS CANAL								
4/03/72	5050			64 F		--	--	--	--	0.0000 T	--
1200	5050		650	7.4	--	--	--	--	--	--	--
7/26/72	5050			73 F		--	--	--	--	0.0000 T	--
0830	5050		410	7.5	--	--	--	--	--	--	--
9/19/72	5050			76 F		--	--	--	--	0.0000 T	--
1200	5050		340	7.3	--	--	--	--	--	--	--
	A0 2112.00		SACRAMENTO RIVER AT ELKHORN FERRY								
4/03/72	5050			59 F		--	--	--	--	0.0000 T	--
1125	5050		145	7.4	--	--	--	--	--	--	--
7/26/72	5050			71 F		--	--	--	--	0.0000 T	--
0800	5050		120	7.7	--	--	--	--	--	--	--
9/19/72	5050			63 F		--	--	--	--	0.0000 T	--
1240	5050		153	7.5	--	--	--	--	--	--	--
	A0 2170.00		SACRAMENTO RIVER AT FREMONT WEIR, WEST END								
4/03/72	5050			58.5F		--	--	--	--	0.0000 T	--
1400	5050		160	7.5	--	--	--	--	--	--	--
7/26/72	5050			70 F		--	--	--	--	0.0000 T	--
1200	5050		165	7.5	--	--	--	--	--	--	--
9/19/72	5050			66 F		--	--	--	--	0.0000 T	--
0945	5050		209	7.5	--	--	--	--	--	--	--
	A0 2195.01		SACRAMENTO RIVER BELOW KNIGHTS LANDING								
5/09/72	5050		9340	16 C		--	0.0007 T	0.0007 T	0.0089 T	--	--
1500	5000		193	7.5	--	0.0007 T	--	0.0430 T	0.0007 T	--	0.0630 T
	A0 2230.02		SACRAMENTO RIVER ABOVE COLUSA BASIN DRAIN								
10/27/71	5050			13.0C		--	0.0007 T	0.0007 T	0.0007 T	--	--
1400	5000		130	7.4	--	0.0007 T	--	0.0690 T	0.0007 T	--	0.0029 T
3/15/72	5050			12.0C		--	--	0.02 T	0.02 T	--	--
1345	5050		153	7.4	0.01 T	0.00 T	--	2.40 T	0.06 T	0.00 T	0.03 T
4/03/72	5050			15.5C		--	--	--	--	0.00 T	--
1415	5050		145	7.4	--	--	--	--	--	--	--
5/09/72	5050			16.5C		--	0.0007 T	0.0007 T	0.0024 T	--	--
1430	5000		114	7.5	--	0.0007 T	--	0.0180 T	0.0007 T	--	0.0029 T
7/26/72	5050			21.0C		--	--	--	--	0.00 T	--
1245				7.6	--	--	--	--	--	--	--
9/19/72	5050			19 C		--	--	--	--	0.00 T	--
1315	5050			7.5	--	--	--	--	--	--	--
	A0 2420.00		SACRAMENTO RIVER AT COLUSA								
4/03/72	5050		8290	14.0C		--	0.0007 T	0.0007 T	0.0007 T	--	--
0915	5000		153	7.4	--	0.0007 T	--	0.0460 T	0.0007 T	--	0.0340 T
7/26/72	5050		8550	18.0C		--	--	--	--	0.00 T	--
0835	5050			7.6	--	--	--	--	--	--	--
9/19/72	5050		6560	16.5C		--	--	--	--	0.00 T	--
0915	5050			7.5	--	--	--	--	--	--	--
	A0 2630.00		SACRAMENTO RIVER AT HAMILTON CITY								
3/08/72	5050			10.5C		--	0.0007 T	0.0007 T	0.0007 T	--	--
1315	5000		123	7.3	--	0.0007 T	--	0.0180 T	0.0007 T	--	0.0029 T
	A0 2785.00		SACRAMENTO RIVER AT BEND BRIDGE								
1/06/72	5050		8150	8.0C		--	0.0017 T	0.0017 T	0.0017 T	--	--
1300	5000			7.3	--	0.0017 T	--	0.0730 T	0.0017 T	--	0.0065 T
7/21/72	5050		57	21.0C		--	0.0017 T	0.0017 T	0.0017 T	--	--
0915	5000			7.1	--	0.0017 T	--	0.0730 T	0.0017 T	--	0.0065 T
	A0 2905.00		YOLO BYPASS BELOW SACRAMENTO BYPASS								
4/03/72	5050			69 F		--	--	--	--	0.0000 T	--
1515	5050		1300	8.2	--	--	--	--	--	--	--
7/26/72	5050			71 F		--	--	--	--	0.0000 T	--
1330	5050		550	8.1	--	--	--	--	--	--	--

TABLE D-3 (CONTINUED)

MINOR ELEMENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB	DEPTH	DISCH EC	TEMP PH	CONSTITUENTS IN MILLIGRAMS PER LITER ARSENIC	BARIUM CADMIUM	CHROM (ALL) CHROM (HEX)	COPPER IRON	LEAD MANGANESE	MERCURY SELENIUM	SILVER ZINC
	A0	2905.00		YOLO BYPASS BELOW SACRAMENTO BYPASS					CONTINUED		
9/19/72	5050			64 F		--	--	--	--	0.0000 T	--
0840	5050		560	8.1	--	--	--	--	--	--	--
	A0	2925.00		SACRAMENTO SLOUGH AT SACRAMENTO RIVER							
4/03/72	5050			19.0C		--	--	--	--	0.00 T	--
1145	5050		252	7.8	--	--	--	--	--	--	--
7/26/72	5050			24.0C		--	--	--	--	0.00 T	--
1215	5050			7.5	--	--	--	--	--	--	--
9/19/72	5050			20 C		--	--	--	--	0.00 T	--
1235	5050			7.5	--	--	--	--	--	--	--
	A0	2926.00		R-D 1500 DRAINAGE TO SACRAMENTO SLOUGH							
4/03/72	5050			17.5C		--	--	--	--	0.00 T	--
1215	5050			7.7	--	--	--	--	--	--	--
9/19/72	5050			19 C		--	--	--	--	0.00 T	--
1225	5050			7.4	--	--	--	--	--	--	--
	A0	2933.00		R-D 108 DRAINAGE TO SACRAMENTO RIVER							
4/03/72	5050			21.5C		--	--	--	--	0.00 T	--
1340	5050		557	8.1	--	--	--	--	--	--	--
7/26/72	5050			23.0C		--	--	--	--	0.00 T	--
1400	5050			7.3	--	--	--	--	--	--	--
9/19/72	5050			20 C		--	--	--	--	0.00 T	--
1410	5050			7.5	--	--	--	--	--	--	--
	A0	2947.10		COLUSA BASIN DRAIN NEAR KNIGHTS LANDING							
3/15/72	5050			19.0C		--	--	0.01 T	0.02 T	--	--
1230	5050		1542	8.1	0.01 T	0.00 T	--	2.60 T	0.17 D	0.00 T	0.01 T
4/03/72	5050			17.5C		--	--	--	--	0.00 T	--
1305	5050		420	7.8	--	--	--	--	--	--	--
7/26/72	5050			26.0C		--	--	--	--	0.00 T	--
1330	5050			7.9	--	--	--	--	--	--	--
9/19/72	5050			20 C		--	--	--	--	0.00 T	--
1335	5050			7.7	--	--	--	--	--	--	--
	A0	2950.00		R-D 787 DRAINAGE TO COLUSA BASIN DRAIN							
4/03/72	5050			18.0C		--	--	--	--	0.00 T	--
1255	5050		882	8.0	--	--	--	--	--	--	--
7/26/72	5050			22.0C		--	--	--	--	0.00 T	--
1310	5050			8.2	--	--	--	--	--	--	--
9/19/72	5050			19 C		--	--	--	--	0.00 T	--
1325	5050			7.4	--	--	--	--	--	--	--
	A0	2955.00		R-D 787 DRAINAGE TO SACRAMENTO RIVER							
4/03/72	5050			17.5C		--	--	--	--	0.00 T	--
1400	5050		651	7.7	--	--	--	--	--	--	--
7/26/72	5050			25.0C		--	--	--	--	0.00 T	--
1425	5050			7.2	--	--	--	--	--	--	--
9/19/72	5050			20 C		--	--	--	--	0.00 T	--
1430	5050			7.3	--	--	--	--	--	--	--
	A0	2963.00		R-D 1660 DRAINAGE TO TISDALE BYPASS							
4/03/72	5050			18.0C		--	--	--	--	0.00 T	--
1100	5050		218	7.8	--	--	--	--	--	--	--
7/26/72	5050			25.0C		--	--	--	--	0.00 T	--
1010	5050			7.6	--	--	--	--	--	--	--
9/19/72	5050			20 C		--	--	--	--	0.00 T	--
1100	5050			7.7	--	--	--	--	--	--	--
	A0	2965.00		R-D 70 DRAINAGE TO SACRAMENTO RIVER							
4/03/72	5050			17.2C		--	--	--	--	0.00 T	--
1035	5050		596	7.6	--	--	--	--	--	--	--
7/26/72	5050			24.0C		--	--	--	--	0.00 T	--
0950	5050			7.6	--	--	--	--	--	--	--
	A0	2972.00		BUTTE SLOUGH NEAR MERIDIAN							
4/03/72	5050			17.0C		--	--	--	--	0.00 T	--
1000	5050		146	7.2	--	--	--	--	--	--	--
7/26/72	5050			24.0C		--	--	--	--	0.00 T	--
0920	5050			7.4	--	--	--	--	--	--	--
9/19/72	5050			20 C		--	--	--	--	0.00 T	--
1015	5050			7.3	--	--	--	--	--	--	--
	A0	2976.00		COLUSA BASIN DRAIN AT HIGHWAY 20							
4/03/72	5050			16.5C		--	--	--	--	0.00 T	--
0830	5050		392	7.7	--	--	--	--	--	--	--
7/26/72	5050			21.5C		--	--	--	--	0.00 T	--
0805	5050			7.5	--	--	--	--	--	--	--
9/19/72	5050			17 C		--	--	--	--	0.00 T	--
0845	5050			7.5	--	--	--	--	--	--	--

TABLE D-3 (CONTINUED)

MINOR ELEMENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB	DEPTH	DISCH EC	TEMP PH	CONSTITUENTS IN MILLIGRAMS PER LITER ARSENIC	BARIUM CADMIUM	CHROM (ALL) CHROM (HEX)	COPPER IRON	LEAD MANGANESE	MERCURY SELENIUM	SILVER ZINC
	A0 5103.00		FEATHER RIVER AT NICOLAUS								
4/03/72	5050			64 F		--	--	--	--	0.0000 T	--
1240	5050		97	7.4	--	--	--	--	--	--	--
7/26/72	5050			71 F		--	--	--	--	0.0000 T	--
0945	5050		79	7.5	--	--	--	--	--	--	--
9/19/72	5050			63 F		--	--	--	--	0.0000 T	--
1130	5050		85	7.3	--	--	--	--	--	--	--
	A1 1020.00		PIT RIVER NEAR MONTGOMERY CREEK								
5/16/72	5050		8080	15.0C		--	--	0.00 T	0.00 T	--	--
1010	5050		133	7.9	--	0.00 T	--	0.05 T	0.02 T	--	0.01 T
	A1 1680.00		PIT RIVER NEAR CANBY								
10/12/71	5050		114	15.5C		--	0.70 T	0.0007 T	0.0007 T	--	--
1530	5000		236	7.9	--	0.0007 T	--	0.0910 T	0.70 T	--	0.0029 T
5/16/72	5050		224	15.0C		--	--	0.01 T	0.00 T	--	--
0745	5050		198	7.7	--	0.00 T	--	1.90 T	0.08 T	--	0.01 T
6/16/72	5050		243	21.5C		--	0.0007 T	0.0007 T	0.0007 T	--	--
0830	5000		178	7.7	--	0.0007 T	--	0.2000 T	0.0007 T	--	0.0740 T
	A2 1010.00		SACRAMENTO RIVER AT KESWICK								
1/06/72	5050		7000	8.6C		--	0.0017 T	0.0017 T	0.0017 T	--	--
1200	5000		123	7.3	--	0.0017 T	--	0.2300 T	0.0017 T	--	0.0065 T
3/13/72	5050		14500	7.8C		--	--	0.01 T	0.00 T	--	--
1500	5050		125	8.1	0.01 T	0.00 T	--	0.56 T	0.02 T	0.00 T	0.02 T
4/03/72	5050		7500	8.0C		--	--	--	--	0.00 T	--
0600	5050		109	7.2	--	--	--	--	--	--	--
7/26/72	5050		11500	10.0C		--	--	--	--	0.00 T	--
0545	5050			7.2	--	--	--	--	--	--	--
9/19/72	5050		9000	11 C		--	--	--	--	0.00 T	--
0545	5050			7.1	--	--	--	--	--	--	--
	A8 1250.00		BEAR CREEK NEAR RUMSEY								
5/04/72	5050		3.7	24.0C		--	--	0.01 T	0.01 T	--	--
1345	5050		3540	8.4	--	0.00 T	--	0.29 T	0.02 T	--	0.01 T
	A8 1350.00		CACHE CREEK NEAR LOWER LAKE								
5/04/72	5050		275	19.5C		--	--	0.02 T	0.03 T	--	--
1205	5050		274	7.8	--	0.00 T	--	1.00 T	0.04 T	--	0.02 T
	A0 7020.00		SAN JOAQUIN RIVER NEAR VERNALIS								
10/14/71	5050			69 F		--	--	--	--	--	--
1500	5000		500	7.5	--	--	--	0.020 D	--	--	--
11/17/71	5050			51 F		--	--	--	--	--	--
1500	5000		750	7.4	--	--	--	0.020 D	--	--	--
12/15/71	5050					--	--	--	--	--	--
1700	5000			7.3	--	--	--	0.030 D	--	--	--
1/12/72	5050					--	--	--	--	--	--
1520	5000		450	7.2	--	--	--	0.020 D	--	--	--
2/16/72	5050			54 F		--	--	--	--	--	--
1500	5000		700	7.6	--	--	--	0.020 D	--	--	--
3/15/72	5050			65 F		--	--	--	--	--	--
1140	5000		760	7.5	--	--	--	0.010 D	--	--	--
4/12/72	5050			62 F		--	--	--	--	--	--
1215	5000		1000	6.7	--	--	--	0.020 D	--	--	--
6/23/72	5050			70 F		--	--	--	--	--	--
0745	5000			8.4	--	--	--	0.040 D	--	--	--
7/20/72	5050			72 F		--	--	--	--	--	--
0845	5000		1250	8.2	--	--	--	0.030 D	--	--	--
8/10/72	5050			81 F		--	--	--	--	--	--
1100	5000		1080	8.2	--	--	--	0.010 D	--	--	--
9/21/72	5050			19 C		--	--	--	--	--	--
0830	5000		280	7.3	--	--	--	0.080 D	--	--	--
	82 R 809.1 048.5		NEW HOGAN RESERVOIR NEAR DAM								
11/02/71	5002			10.0C		--	--	0.06 D	0.04 D	0.0024 D	--
	5002	100	205	7.2	0.0008 D	--	0.005 D	0.01 D	0.01 D	--	0.4 D
	82 5300.00		CALAVERAS RIVER BELOW NEW HOGAN DAM								
11/02/71	5002		2.3	10.5C		--	--	0.05 D	0.005 D	0.0009 D	--
	5002		225	7.6	0.0019 D	--	0.005 D	0.02 D	0.06 D	--	0.07 D
	89 D 758.7 122.9		SAN JOAQUIN RIVER AT BUCKLEY COVE								
10/05/71	5001			19 C		--	--	0.025 T	0.005 T	--	--
1120	5006	1		7.7	--	0.005 T	0.005 D	0.050 D	0.025 D	--	0.02 T
11/11/71	5001			12 C		--	--	0.05 T	0.005 T	--	--
1145	5006	2		7.7	--	0.005 T	0.005 D	0.050 D	0.025 D	--	0.03 T
12/09/71	5001			9 C		--	--	0.025 T	0.03 T	--	--
1135	5006	2		7.8	--	0.005 T	0.005 D	0.050 D	--	--	0.005 T
1/19/72	5001			7 C		--	--	0.025 T	0.005 T	--	--
1140	5006	2		7.5	--	0.005 T	0.005 D	0.050 D	0.025 D	--	0.03 T

TABLE D-3 (CONTINUED)

MINOR ELEMENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB	DEPTH	DISCH EC	TEMP PH	ARSENIC	CONSTITUENTS IN MILLIGRAMS PER LITER BARIUM CADMIUM	CHROM (ALL) CHROM (HEX)	COPPER IRON	LEAD MANGANESE	MERCURY SELENIUM	SILVER ZINC
	89 D 758.7 122.9	SAN JOAQUIN RIVER AT BUCKLEY COVE							CONTINUED		
2/23/72	5001			13 C		--	--	0.025 T	0.005 T	--	--
1145	5006	3		7.4	--	0.005 T	0.005 D	0.050 D	0.025 D	--	0.01 T
3/20/72	5001			20 C		--	0.005 D	0.025 D	0.01 D	--	--
1245	5006	2		8.4	--	0.005 D	--	0.050 D	0.025 D	--	0.03 D
5/30/72	5001			22 C		--	--	0.025 T	0.005 T	--	--
1145	5006	3		7.7	--	0.005 T	0.005 D	0.10 D	0.025 D	--	0.005 T
6/16/72	5001			23 C		--	--	0.06 T	--	--	--
0945	5006	3		7.5	--	0.005 T	0.005 D	0.050 D	0.05 D	--	0.005 T
7/13/72	5001			27 C		--	--	0.05 T	--	--	--
1245	5006	1		8.1	--	0.01 T	0.005 D	0.050 D	0.025 D	--	0.010 T
8/17/72	5001			22 C		--	--	--	--	--	--
1300	5006	2		7.8	--	0.01 T	0.005 D	0.050 D	--	--	0.005 T
9/25/72	5001			21 C		--	--	0.05 T	0.005 T	--	--
1255	5006	1		7.5	--	0.005 T	0.005 D	0.10 D	0.025 D	--	0.050 T
	89 D 801.6 145.2	SAN JOAQUIN RIVER AT ANTIOCH BRIDGE (AT LIGHT 12)									
11/17/71	5001			12 C		--	--	0.025 T	0.005 T	--	--
1555	5006	3		7.7	--	0.005 T	0.01 D	0.050 D	0.025 D	--	0.01 T
1/10/72	5001			7 C		--	--	0.025 T	0.005 T	--	--
1435	5006	3			--	0.005 T	0.005 D	0.050 D	0.025 D	--	0.005 T
3/09/72	5001			14 C		--	--	0.025 T	0.005 T	--	--
1145	5006	3		7.6	--	0.005 T	0.005 D	0.10 D	0.025 D	--	0.01 T
5/23/72	5001			20 C		--	--	0.025 T	0.01 T	--	--
1445	5006	3		7.7	--	0.005 T	0.005 D	0.050 D	0.025 D	--	0.005 T
6/07/72	5001			20 C		--	--	0.025 T	0.005 T	--	--
1515	5006	3		7.8	--	0.005 T	0.005 D	0.050 D	0.025 D	--	0.005 T
7/05/72	5001			21 C		--	--	--	--	--	--
1430	5006	3		8.2	--	--	0.005 D	0.050 D	--	--	0.005 T
8/07/72	5001			23 C		--	--	--	--	--	--
1645	5006	3		7.8	--	--	0.005 D	--	--	--	0.005 T
9/21/72	5001			21 C		--	--	0.025 T	0.005 T	--	--
1550	5006	3		7.8	--	0.005 T	0.005 D	0.10 D	0.025 D	--	--
	89 D 801.9 151.4	NEW YORK SLOUGH NEAR PITTSBURG POINT									
11/17/71	5001					--	--	0.025 T	0.005 T	--	--
1520	5006	3			--	0.005 T	0.01 D	0.050 D	0.025 D	--	0.01 T
1/10/72	5001					--	--	0.025 T	0.005 T	--	--
1405	5006	3			--	0.005 T	0.005 D	0.050 D	0.025 D	--	0.005 T
3/09/72	5001					--	--	0.025 T	0.005 T	--	--
1120	5006	3			--	0.01 T	0.005 D	0.10 D	0.025 D	--	0.01 T
5/23/72	5001			20 C		--	--	0.025 T	--	--	--
1350	5006	3		7.7	--	0.005 T	0.005 D	0.050 D	0.025 D	--	0.005 T
6/07/72	5001					--	--	0.025 T	--	--	--
1430	5006				--	0.005 T	0.005 D	0.050 D	0.025 D	--	0.005 T
7/07/72	5001					--	--	--	--	--	--
1700	5006				--	--	0.005 D	0.050 D	--	--	0.005 T
8/07/72	5001					--	--	--	--	--	--
1615	5006				--	--	0.005 D	0.050 D	--	--	0.005 T
9/21/72	5001			20 C		--	--	--	0.005 T	--	--
1510	5006	3		8.1	--	0.005 T	0.005 D	0.10 D	0.025 D	--	--
	89 D 803.1 141.3	SAN JOAQUIN RIVER AT JERSEY POINT									
11/17/71	5001			12 C		--	--	0.025 T	0.005 T	--	--
1640	5006	3		8.0	--	0.005 T	0.005 D	0.050 D	0.025 D	--	0.01 T
1/10/72	5001			7 C		--	--	0.025 T	0.005 T	--	--
1030	5006				--	0.005 T	0.005 D	0.050 D	0.025 D	--	0.005 T
3/09/72	5001			15 C		--	--	0.025 T	0.005 T	--	--
1230	5006	3		7.8	--	0.005 T	0.005 D	0.050 D	0.025 D	--	0.01 T
5/23/72	5001			20 C		--	--	0.025 T	0.005 T	--	--
1540	5006	3		7.6	--	0.005 T	0.005 D	0.050 D	0.025 D	--	0.005 T
6/07/72	5001			21 C		--	--	0.025 T	0.005 T	--	--
1605	5006	3		7.8	--	0.005 T	0.005 D	0.050 D	0.025 D	--	0.005 T
7/05/72	5001			21 C		--	--	--	--	--	--
1520	5006	3		8.0	--	--	0.005 D	0.050 D	--	--	0.005 T
8/07/72	5001			22 C		--	--	0.025 T	--	--	--
1025	5006				--	--	0.005 D	0.050 D	--	--	0.005 T
9/21/72	5001			20 C		--	--	0.025 T	0.005 T	--	--
1625	5006	3		8.2	--	0.005 T	0.005 D	0.10 D	0.025 D	--	--
	89 D 809.4 141.0	SACRAMENTO RIVER BELOW RIO VISTA BRIDGE									
11/16/71	5001			12 C		--	--	0.025 T	0.005 T	--	--
1550	5006	3		7.6	--	0.005 T	0.005 D	0.050 D	0.025 D	--	0.01 T
1/10/72	5001			6 C		--	--	0.025 T	0.005 T	--	--
1555	5006	3		7.4	--	0.005 T	0.005 D	0.30 D	0.025 D	--	0.005 T
3/08/72	5001			13 C		--	--	0.025 T	0.005 T	--	--
1020	5006	3		7.6	--	0.005 T	0.005 D	0.050 D	0.025 D	--	0.01 T

TABLE D-3 (CONTINUED)

MINOR ELEMENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB	DEPTH	DISCH EC	TEMP PH	ARSENIC	CONSTITUENTS IN MILLIGRAMS PER LITER BARIUM CADMIUM	CHROM (ALL) CHROM (HEX)	COPPER IRON	LEAD MANGANESE	MERCURY SELENIUM	SILVER ZINC
B9 D 809.4 141.0 SACRAMENTO RIVER BELOW RIO VISTA BRIDGE CONTINUED											
5/22/72 1700	5001 5006	3		19 C 7.7	--	-- 0.005 T	-- 0.005 D	0.025 T 0.050 D	0.005 T 0.025 D	-- --	-- 0.01 T
6/06/72 1325	5001 5006	3		22 C 7.8	--	-- 0.005 T	-- 0.005 D	0.025 T 0.050 D	0.005 T 0.025 D	-- --	-- 0.005 T
7/06/72 1450	5001 5006	3		20 C 8.1	--	-- 0.005 T	-- 0.005 D	-- 0.050 U	-- --	-- --	-- 0.005 T
8/03/72 1420	5001 5006	3		21 C 7.7	--	-- 0.005 T	-- 0.005 D	0.025 T 0.050 D	-- --	-- --	-- --
9/20/72 1700	5001 5006	3		20 C 7.8	--	-- 0.005 T	-- 0.005 D	0.025 T 0.10 D	0.005 T 0.025 D	-- --	-- --
B9 D 815.3 126.3 MOKELUMNE RIVER NEAR THORNTON											
10/06/71 1250	5001 5006	3		15 C 7.1	--	-- 0.005 T	-- 0.005 D	0.025 T 0.050 D	0.005 T 0.025 D	-- --	-- 0.03 T
11/12/71 1240	5001 5006	3		13 C 7.1	--	-- 0.005 T	-- 0.005 D	0.025 T 0.050 D	0.005 T 0.025 D	-- --	-- 0.03 T
12/10/71 1315	5001 5006	3		5 C 7.0	--	-- 0.005 T	-- 0.005 D	0.025 T 0.20 D	0.03 T 0.01 D	-- --	-- 0.01 T
1/20/72 1255	5001 5006	3		8 C 7.2	--	-- 0.005 T	-- 0.005 D	0.025 T 0.050 D	0.005 T 0.025 D	-- --	-- 0.04 T
2/24/72 1325	5001 5006	3		12 C 7.4	--	-- 0.01 T	-- 0.005 D	0.025 T 0.10 D	0.005 T 0.025 D	-- --	-- 0.01 T
3/21/72 1320	5001 5006	3		15 C 7.3	--	-- 0.005 T	-- 0.005 D	0.025 T 0.050 D	0.005 T 0.025 D	-- --	-- 0.03 T
5/31/72 1300	5001 5006	3		23 C 5.7	--	-- 0.005 T	-- 0.005 D	0.025 T 0.20 D	0.005 T 0.025 D	-- --	-- 0.005 T
6/19/72 1410	5001 5006	3		21 C 8.2	--	-- 0.005 T	-- 0.005 D	0.025 T 0.12 D	-- 0.025 D	-- --	-- 0.005 T
7/14/72 1420	5001 5006	3		27 C 8.2	--	-- 0.01 T	-- 0.005 D	0.025 T --	-- --	-- --	-- 0.005 T
8/18/72 1340	5001 5006	3		21 C 7.6	--	-- 0.005 T	-- 0.005 D	-- 0.050 D	-- --	-- --	-- 0.005 T
9/26/72 1330	5001 5006	3		19 C 7.3	--	-- 0.005 T	-- 0.005 D	0.025 T --	0.005 T 0.025 D	-- --	-- --
B9 D 820.7 132.7 SACRAMENTO RIVER AT GREENE'S LANDING											
10/21/71 0950	5050 5050	1.5	102	57.2F 7.3	0.00 D	-- --	-- 0.00 D	0.01 D 0.01 D	0.01 D 0.00 D	-- 0.00 D	-- 0.00 D
10/21/71 1000	5050 5000	1.5	102	57.2F 7.3	--	-- --	-- --	-- 0.010 U	-- --	-- --	-- --
11/17/71 1300	5050 5050	1.5	142	53.1F 7.3	0.00 D	-- --	-- 0.00 D	0.00 D 0.01 D	0.00 D 0.00 D	-- 0.01 D	-- 0.00 D
11/17/71 1320	5050 5000	1.5	142	53.1F 7.3	--	-- --	-- --	-- 0.020 D	-- --	-- --	-- --
12/15/71 1300	5050 5000	1.5	135	45.5F 7.3	--	-- --	-- --	-- 0.020 U	-- --	-- --	-- --
12/15/71 1320	5050 5050	1.5	135	45.5F 7.3	0.00 D	-- --	-- 0.00 D	0.01 D 0.03 D	0.00 D 0.00 D	-- 0.00 D	-- 0.01 D
1/26/72 1300	5050 5000	1.5	130	46.8F 7.3	--	-- --	-- --	-- 0.040 D	-- --	-- --	-- --
1/26/72 1320	5050 5050	1.5	130	46.8F 7.3	0.00 D	-- --	-- 0.00 D	0.01 D 0.05 D	0.00 D 0.00 D	-- 0.00 D	-- 0.01 D
2/16/72 1350	5050 5000	1.5	150	49 F 7.3	--	-- --	-- --	-- 0.020 U	-- --	-- --	-- --
2/16/72 1400	5050 5050	1.5	150	49 F 7.3	0.00 D	-- --	-- 0.00 D	0.01 D 0.02 D	0.00 D 0.00 D	-- 0.01 D	-- 0.01 D
3/15/72 1400	5050 5050	2	125	55 F 7.4	0.00 D	-- --	-- 0.00 D	0.01 D 0.03 D	0.00 D 0.00 D	-- 0.00 D	-- 0.00 D
3/15/72 1405	5050 5000	2	125	55 F 7.4	--	-- --	-- --	-- 0.020 D	-- --	-- --	-- --
4/03/72 0830	5050 5050		131	58 F 7.3	--	-- --	-- --	-- --	-- --	0.0000 T --	-- --
4/19/72 1500	5050 5050	2	135	57 F 7.3	0.00 D	-- --	-- 0.00 D	0.00 D 0.03 D	0.00 D 0.00 D	-- 0.00 D	-- 0.00 D
4/19/72 1505	5050 5000	2	135	57 F 7.3	--	-- --	-- --	-- 0.030 D	-- --	-- --	-- --
5/17/72 1235	5050 5050	2	210	69 F 7.4	0.00 D	-- --	-- 0.00 D	0.01 D 0.01 D	0.00 D 0.00 D	-- 0.01 D	-- 0.00 D
5/17/72 1240	5050 5000	2	210	69 F 7.4	--	-- --	-- --	-- 0.040 U	-- --	-- --	-- --
6/21/72 1120	5050 5050	2	152	70.9F 7.3	0.00 D	-- --	-- 0.00 D	0.02 D 0.02 D	0.00 D 0.01 D	-- 0.01 D	-- 0.01 D
6/21/72 1125	5050 5000	2	152	70.9F 7.3	--	-- --	-- --	-- 0.020 D	-- --	-- --	-- --
7/26/72 1020	5050 5050	1.5	155	70 F 7.4	0.00 D	-- --	-- 0.00 D	0.01 D 0.07 D	0.00 D 0.01 D	-- 0.01 D	-- 0.02 D

TABLE D-3 (CONTINUED)

MINOR ELEMENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB	DEPTH	DISCH EC	TEMP PH	CONSTITUENTS IN MILLIGRAMS PER LITER ARSENIC	BARIUM CADMIUM	CHROM (ALL) CHROM (HEX)	COPPER IRON	LEAD MANGANESE	MERCURY SELENIUM	SILVER ZINC
	69 D 820.7 132.7			SACRAMENTO RIVER AT GREENE'S LANDING					CONTINUED		
7/26/72	5050			70 F		--	--	--	--	--	--
1030	5000	1.5	155	7.4	--	--	--	0.020 D	--	--	--
8/16/72	5050			68.0F		--	--	0.01 D	0.00 D	--	--
1005	5050	1.5	155	7.4	0.00 D	--	0.00 D	0.03 D	0.00 D	0.01 D	0.01 D
8/16/72	5050			68.0F		--	--	--	--	--	--
1010	5000	1.5	155	7.4	--	--	--	0.030 D	--	--	--
9/20/72	5050			64.0F		--	--	0.01 D	0.00 D	--	--
0825	5050	1.5	171	7.4	0.00 D	--	0.00 D	0.02 D	0.00 D	0.01 D	0.01 D
9/20/72	5050			64.0F		--	--	--	--	--	--
0830	5000	1.5	171	7.4	--	--	--	0.030 D	--	--	--
	64 1590.01			SUSAN RIVER NEAR LITCHFIELD							
6/01/72	5050			20.0C		--	--	0.00 T	0.00 T	--	--
1000	5050		380	7.8	--	0.00 T	--	0.98 T	0.03 T	--	0.01 T
	66 1100.00			LONG VALLEY CREEK NEAR DOYLE NEAR MOUTH							
4/19/72	5050		3 E	48.0F		--	--	0.01 T	0.00 T	--	--
0845	5050		545	8.0	--	0.00 T	--	0.14 T	0.01 T	--	0.01 T
	66 1705.00			LONG VALLEY CREEK NEAR HALLELUJAH JUNCTION							
5/15/72	5050		2.1	17.2C		--	--	0.00 T	0.00 T	--	--
1015	5050		282	8.3	--	0.00 T	--	0.06 T	0.04 T	--	0.01 T

TABLE D-4

SUPPLEMENTAL MINOR ELEMENT ANALYSIS
OF SURFACE WATER

Lab and Sampler Agency Codes

5000	-	U. S. Geological Survey
5001	-	U. S. Bureau of Reclamation
5002	-	U. S. Army, Corps of Engineers
5006	-	McClellan Air Force Base Laboratory
5050	-	Department of Water Resources

Abbreviations

TIME	-	Pacific Standard Time on a 24-hour clock
DEPTH	-	Depth in feet at which sample was collected
DISCH	-	Instantaneous discharge in cubic feet per second
EC	-	Electrical conductance in micromhos at 25^{o} Celsius
TEMP	-	Water temperature at time of sampling in degrees Fahrenheit (F) and Celsius (C)
PH	-	Measure of acidity (<7) or alkalinity (>7) of water
D	-	Dissolved
T	-	Total

TABLE D-4 (CONTINUED)

SUPPLEMENTAL MINOR ELEMENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB	DEPTH	DISCH EC	TEMP PH	ALUMINUM	CONSTITUENTS IN MILLIGRAMS PER LITER ANTIMONY BERYLLIUM	BISMUTH COBALT	GALLIUM GERMANIUM	LITHIUM MOLYBDENUM	NICKEL STRONTIUM	TITANIUM VANADIUM
	A0 2195.01			SACRAMENTO RIVER BELOW KNIGHTS LANDING							
5/09/72	5050		9340	16 C		--	0.0020 T	0.0029 T	--	0.0014 T	0.0003 T
1500	5000		193	7.5	0.0210 T	0.0003 T	0.0600 T	0.0002 T	0.0002 T	--	0.0029 T
	A0 2230.02			SACRAMENTO RIVER ABOVE COLUSA BASIN DRAIN							
10/27/71	5050			13.0C		--	0.0002 T	0.0029 T	--	0.0016 T	0.0046 T
1400	5000		130	7.4	0.0430 T	0.0003 T	0.0007 T	0.0002 T	0.0002 T	--	0.0043 T
5/09/72	5050			16.5C		--	0.0002 T	0.0029 T	--	0.0014 T	0.0003 T
1430	5000		114	7.5	0.0200 T	0.0003 T	0.0007 T	0.0002 T	0.0002 T	--	0.0051 T
	A0 2420.00			SACRAMENTO RIVER AT COLUSA							
4/03/72	5050		8290	14.0C		--	0.0002 T	0.0029 T	--	0.0002 T	0.0003 T
0915	5000		153	7.4	0.0170 T	0.0003 T	0.0007 T	0.0002 T	0.0002 T	--	0.0430 T
	A0 2630.00			SACRAMENTO RIVER AT HAMILTON CITY							
3/08/72	5050			10.5C		--	0.0002 T	0.0029 T	--	0.0002 T	0.0003 T
1315	5000		123	7.3	0.0340 T	0.0003 T	0.0007 T	0.0002 T	0.0002 T	--	0.0071 T
	A0 2785.00			SACRAMENTO RIVER AT BEND BRIDGE							
1/06/72	5050		8150	8.0C		--	0.0004 T	0.0065 T	--	0.0004 T	0.0007 T
1300	5000			7.3	0.0800 T	0.0007 T	0.0017 T	0.0004 T	0.0004 T	--	0.0140 T
7/21/72	5050		57	21.0C		--	0.0004 T	0.0065 T	--	0.0004 T	0.0007 T
0915	5000			7.1	0.0800 T	0.0007 T	0.0017 T	0.0004 T	0.0004 T	--	0.0140 T
	A1 1680.00			PIT RIVER NEAR CANBY							
10/12/71	5050		114	15.5C		--	0.0002 T	0.0029 T	--	0.0020 T	0.0091 T
1530	5000		236	7.9	130.0 T	0.0003 T	0.0007 T	0.0002 T	0.0002 T	--	0.0180 T
6/16/72	5050		243	21.5C		--	0.0002 T	0.0029 T	--	0.0002 T	0.0140 T
0830	5000		178	7.7	0.1100 T	0.0003 T	0.0007 T	0.0002 T	0.0002 T	--	0.0140 T
	A2 1010.00			SACRAMENTO RIVER AT KESWICK							
1/06/72	5050		7000	8.8C		--	0.0004 T	0.0065 T	--	0.0004 T	0.0007 T
1200	5000		123	7.3	0.0017 T	0.0007 T	0.0017 T	0.0004 T	0.0004 T	--	0.0087 T
	B0 7020.00			SAN JOAQUIN RIVER NEAR VERNALIS							
11/17/71	5050			51 F		--	--	--	0.007 D	--	--
1500	5000		750	7.4	--	--	--	--	--	0.430 D	--
12/15/71	5050					--	--	--	0.010 D	--	--
1700	5000			7.3	--	--	--	--	--	0.430 D	--
1/12/72	5050					--	--	--	0.000 D	--	--
1520	5000		450	7.2	--	--	--	--	--	0.260 D	--
2/16/72	5050			54 F		--	--	--	0.010 D	--	--
1500	5000		700	7.6	--	--	--	--	--	0.400 D	--
3/15/72	5050			65 F		--	--	--	0.010 D	--	--
1140	5000		760	7.5	--	--	--	--	--	0.500 D	--
4/12/72	5050			62 F		--	--	--	0.010 D	--	--
1215	5000		1000	6.7	--	--	--	--	--	0.610 D	--
6/23/72	5050			70 F		--	--	--	0.020 D	--	--
0745	5000			8.4	--	--	--	--	--	0.750 D	--
7/20/72	5050			72 F		--	--	--	0.010 D	--	--
0845	5000		1250	8.2	--	--	--	--	--	0.250 D	--
8/10/72	5050			81 F		--	--	--	0.020 D	--	--
1100	5000		1080	8.2	--	--	--	--	--	0.760 D	--
9/21/72	5050			19 C		--	--	--	0.000 D	--	--
0830	5000		280	7.3	--	--	--	--	--	0.220 D	--
	82 R 809.1 048.5			NEW HOGAN RESERVOIR NEAR DAM							
11/02/71	5002			10.0C		--	--	--	--	--	--
	5002	100	205	7.2	1.2 D	--	--	--	--	--	--
	82 5300.00			CALAVERAS RIVER BELOW NEW HOGAN DAM							
11/02/71	5002		2.3	10.5C		--	--	--	--	--	--
	5002		225	7.6	1.6 D	--	--	--	--	--	--
	B9 D 820.7 132.7			SACRAMENTO RIVER AT GREENE'S LANDING							
10/21/71	5050			57.2F		--	--	--	0.010 D	--	--
1000	5000	1.5	102	7.3	--	--	--	--	--	0.100 D	--
11/17/71	5050			53.1F		--	--	--	0.007 D	--	--
1320	5000	1.5	142	7.3	--	--	--	--	--	0.270 D	--
12/15/71	5050			45.5F		--	--	--	0.000 D	--	--
1300	5000	1.5	135	7.3	--	--	--	--	--	0.130 D	--
1/26/72	5050			46.8F		--	--	--	0.000 D	--	--
1300	5000	1.5	130	7.3	--	--	--	--	--	0.160 D	--
2/16/72	5050			49 F		--	--	--	0.000 D	--	--
1350	5000	1.5	150	7.3	--	--	--	--	--	0.100 D	--
3/15/72	5050			55 F		--	--	--	0.000 D	--	--
1405	5000	2	125	7.4	--	--	--	--	--	0.090 D	--
4/19/72	5050			57 F		--	--	--	0.000 D	--	--
1505	5000	2	135	7.3	--	--	--	--	--	0.110 D	--
5/17/72	5050			69 F		--	--	--	0.000 D	--	--
1240	5000	2	210	7.4	--	--	--	--	--	0.130 D	--

TABLE D-4 (CONTINUED)

SUPPLEMENTAL MINOR ELEMENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB	DEPTH	DISCH EC	TEMP PH	CONSTITUENTS IN MILLIGRAMS PER LITER ALUMINUM	ANTIMONY BERYLLIUM	BISMUTH COBALT	GALLIUM GERMANIUM	LITHIUM MOLYBDENUM	NICKEL STRONTIUM	TITANIUM VANADIUM
89 D 820.7 132.7 SACRAMENTO RIVER AT GREENE'S LANDING CONTINUED											
6/21/72	5050			70.9F		--	--	--	0.010 D	--	--
1125	5000	2	152	7.3	--	--	--	--	--	0.100 D	--
7/26/72	5050			70 F		--	--	--	0.000 D	--	--
1030	5000	1.5	155	7.4	--	--	--	--	--	0.040 D	--
8/16/72	5050			68.0F		--	--	--	0.000 D	--	--
1010	5000	1.5	155	7.4	--	--	--	--	--	0.070 D	--
9/20/72	5050			64.0F		--	--	--	0.000 D	--	--
0830	5000	1.5	171	7.4	--	--	--	--	--	0.090 D	--

TABLE D-5

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Lab and Sampler Agency Codes

5001 - U. S. Bureau of Reclamation
5050 - Department of Water Resources

Abbreviations

TIME - Pacific Standard Time on a 24-hour clock

TEMP - Water temperature at time of sampling in degrees of Fahrenheit (F) or Celsius (C)

EC - Electrical conductance in micromhos at 25° Celsius

PH - Measure of acidity (<7) or alkalinity (>7) of water: F - Field; L - Lab

DO - Dissolved oxygen content in milligrams per liter

G.H. - Instantaneous gage height in feet above an established datum

DISCHARGE - Instantaneous discharge in cubic feet per second

MBAS - Methylene blue active substance (a test for detergent surfactants) in milligrams per liter: L - Linear alkylate sulfonate; A - Alkyl benzene sulfonate

T+L - Tannin and lignin as tannic acid in milligrams per liter

CHLOR - Field determination of residual chlorine in milligrams per liter

O+G - Oil and grease in milligrams per liter

COLOR - True color in color units

SET S - Settleable solids in milliliters per liter (ML/L) and milligrams per liter (MG/L): F - Field; L - Lab

BOD - Biochemical oxygen demand in milligrams per liter: A - 4 days; B - 5 days; C - 6 days; D - 7 days; E - 100 days; F - other

SUS S - Suspended solids in milligrams per liter: 5 - at 105°C; 8 - at 108°C

COD - Chemical oxygen demand in milligrams per liter

V SUS S - Volatile suspended solids in milligrams per liter

TOC - Total organic carbon in milligrams per liter

DOC - Dissolved organic carbon in milligrams per liter

T ODOR - Threshold odor number at 60°C

T SULF - Total sulfides in milligrams per liter

D SULF - Dissolved sulfides in milligrams per liter

Other Constituents

CYANIDE - Cyanide in milligrams per liter

PHENOLS - Phenols in milligrams per liter

IODIDE - Iodide in milligrams per liter

BROMIDE - Bromide in milligrams per liter

SULFITE - Sulfite in milligrams per liter

TABLE D-5 (CONTINUED)

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

DATE TIME	TEMP EC	SAMP LAB	F-PH L-PH	DO G.H.	DISCHARGE M8AS	T+L CHLOR	O+G COLOR	SET 5 ML/L MG/L	BOD SUS S	COD V SUS S	CYANIDE PHENOLS	TOC DOC	IODIDE T ODOR	BROMIDE SULFITE	T SULF D SULF
	80	7020.00		SAN JOAQUIN RIVER NEAR VERNALIS											
10/14/71	69 F	5050	7.5	7.9		--	--	--	4.2 B	0	--	--	--	--	--
1500	500	5050	7.1		--	--	--	--	--	--	--	--	--	--	--
11/17/71	51 F	5050	7.4	10.0		--	--	--	2.4 B	0	--	--	--	--	--
1500	750	5050	7.4		--	--	--	--	--	--	--	--	--	--	--
12/15/71		5050	7.3	10.7		--	--	--	2.3 B	0	--	--	--	--	--
1700		5050	7.4		--	--	--	--	--	--	--	--	--	--	--
2/16/72	54 F	5050	7.6	11.0		--	--	--	4.4 B	2	--	--	--	--	--
1500	700	5050	7.7		--	--	--	--	--	--	--	--	--	--	--
3/15/72	65 F	5050	7.5	9.2		--	--	--	4.0 B	8	--	--	--	--	--
1140	760	5050	7.8	10.34	--	--	--	--	--	--	--	--	--	--	--
3/22/72	11 C	5001	7.8	9.7		--	--	--	--	--	--	--	--	--	--
1100		5001	7.8		--	--	--	--	64 5	10	--	--	--	--	--
4/12/72	62 F	5050	6.7	10.1		--	--	--	4.8 B	16	--	--	--	--	--
1215	1000	5050	7.3	9.88	--	--	--	--	--	--	--	--	--	--	--
4/24/72	20 C	5001	8.2	11.5		--	--	--	--	--	--	--	--	--	--
1230		5001			--	--	--	--	159 5	16	--	--	--	--	--
5/22/72	19 C	5001	8.1	11.1		--	--	--	--	--	--	--	--	--	--
1130		5001			--	--	--	--	89 5	--	--	--	--	--	--
5/24/72	67 F	5050	8.1	8.7		--	--	--	9.3 B	30	--	--	--	--	--
0730	560	5050			--	--	--	--	--	--	--	--	--	--	--
6/23/72	70 F	5050	8.4	9.0		--	--	--	10 B	39	--	--	--	--	--
0745		5050	8.4	8.54	--	--	--	--	--	--	--	--	--	--	--
7/18/72	25 C	5001	8.5	9.9		--	--	--	--	--	--	--	--	--	--
1115		5001			--	--	--	--	153 5	--	--	--	--	--	--
7/20/72	72 F	5050	8.2	8.6		--	--	--	7.4 B	61	--	--	--	--	--
0845	1250	5050	7.7	8.85	--	--	--	--	--	--	--	--	--	--	--
8/10/72	81 F	5050	8.2	10.9		--	--	--	11 B	30	--	--	--	--	--
1100	1080	5050	8.2	8.43	--	--	--	--	--	--	--	--	--	--	--
9/21/72	19 C	5050	7.3	6.4		--	--	--	5.8 B	25	--	--	--	--	--
0830	280	5050	7.0	11.55	--	--	--	--	--	--	--	--	--	--	--
	89 D 748.3	126.9		OLD RIVER AT TRACY ROAD BRIDGE											
10/05/71	19 C	5001	8.0	10.0		--	--	--	7.8 D	--	--	--	--	--	--
1330		5001			--	--	--	--	29 5	9	--	--	--	--	--
11/11/71	13 C	5001	7.6	9.4		--	--	--	4.2 B	--	--	--	--	--	--
1350		5001			--	--	--	--	--	--	--	--	--	--	--
12/09/71	8 C	5001	7.8	11.2		--	--	--	3.2 B	--	--	--	--	--	--
1400		5001			--	--	--	--	--	--	--	--	--	--	--
1/19/72	8 C	5001	7.5	10.0		--	--	--	--	--	--	--	--	--	--
1400		5001	7.5		--	--	--	--	15 5	2	--	--	--	--	--
2/23/72	13 C	5001	7.5	10.1		--	--	--	5.6 B	--	--	--	--	--	--
1345		5001			--	--	--	--	--	--	--	--	--	--	--
4/20/72	15 C	5001	7.6	15.1		--	--	--	--	--	--	--	--	--	--
1350		5001	7.6		--	--	--	--	36 5	6	--	--	--	--	--
6/16/72	21 C	5001	9.0	10.9		--	--	--	7.0 B	--	--	--	--	--	--
1245		5001			--	--	--	--	--	--	--	--	--	--	--
7/13/72	28 C	5001	8.5	8.0		--	--	--	--	--	--	--	--	--	--
1525		5001	8.2		--	--	--	--	15 5	2	--	--	--	--	--
8/17/72	22 C	5001	8.9	12.1		--	--	--	12.8 D	--	--	--	--	--	--
1505		5001			--	--	--	--	--	--	--	--	--	--	--
	89 D 752.6	122.9		MIDDLE RIVER AT WILLIAMS BRIDGE											
10/05/71	20 C	5001	8.7	10.7		--	--	--	7.2 D	--	--	--	--	--	--
1400		5001			--	--	--	--	50 5	13	--	--	--	--	--
11/11/71	12 C	5001	8.2	12.9		--	--	--	6.4 B	--	--	--	--	--	--
1430		5001			--	--	--	--	--	--	--	--	--	--	--
12/09/71	6 C	5001	7.7	11.9		--	--	--	2.1 B	--	--	--	--	--	--
1430		5001			--	--	--	--	--	--	--	--	--	--	--
1/19/72	8 C	5001	7.5	11.5		--	--	--	1.6 B	--	--	--	--	--	--
1435		5001	7.6		--	--	--	--	26 5	3	--	--	--	--	--
2/23/72	13 C	5001	7.6	10.6		--	--	--	4.8 B	--	--	--	--	--	--
1410		5001			--	--	--	--	--	--	--	--	--	--	--
4/20/72	16 C	5001	8.0	11.4		--	--	--	--	--	--	--	--	--	--
1430		5001	7.7		--	--	--	--	73 5	7	--	--	--	--	--
6/16/72	22 C	5001	7.5	6.8		--	--	--	3.5 B	--	--	--	--	--	--
1330		5001			--	--	--	--	--	--	--	--	--	--	--
7/13/72	26 C	5001	7.9	6.8		--	--	--	--	--	--	--	--	--	--
1605		5001	7.6		--	--	--	--	51 5	5	--	--	--	--	--
8/17/72	22 C	5001	7.5	7.8		--	--	--	3.8 D	--	--	--	--	--	--
1550		5001			--	--	--	--	--	--	--	--	--	--	--

TABLE D-5 (CONTINUED)

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

DATE TIME	TEMP EC	SAMP LAB	F-PH L-PH	DO G.M.	DISCHARGE MBAS	T+L CHLOR	O+G COLOR	SET S ML/L MG/L	BOD SUS	S	COD V SUS	S	CYANIDE PHENOLS	TOC DOC	IODIDE T ODOR	BROMIDE SULFITE	T SULF D SULF
	89 D 753.5 129.3	MIDDLE RIVER AT BORDEN HIGHWAY															
10/05/71	19 C	5001		9.9		--	--	--	1.9	D	--		--	--	--	--	--
1255		5001			--	--	--	--	33	S	10		--	--	--	--	--
11/11/71	12 C	5001	7.5	10.3		--	--	--	1.6	D	--		--	--	--	--	--
1315		5001			--	--	--	--	--		--		--	--	--	--	--
12/09/71	8 C	5001	7.6	12.0		--	--	--	1.3	B	--		--	--	--	--	--
1320		5001			--	--	--	--	--		--		--	--	--	--	--
1/19/72	7 C	5001	7.3	10.5		--	--	--	1.7	B	--		--	--	--	--	--
1320		5001	7.4		--	--	--	--	24	S	4		--	--	--	--	--
2/23/72	12 C	5001	7.3	10.0		--	--	--	1.3	B	--		--	--	--	--	--
1310		5001			--	--	--	--	--		--		--	--	--	--	--
4/20/72	15 C	5001	8.1	11.0		--	--	--	--		--		--	--	--	--	--
1300		5001	7.6		--	--	--	--	56	S	12		--	--	--	--	--
6/16/72	21 C	5001	7.5	6.9		--	--	--	3.5	B	--		--	--	--	--	--
1130		5001			--	--	--	--	--		--		--	--	--	--	--
7/13/72	26 C	5001	7.5	6.9		--	--	--	--		--		--	--	--	--	--
1445		5001	7.6		--	--	--	--	43	S	6		--	--	--	--	--
8/17/72	21 C	5001	7.7	7.8		--	--	--	2.4	D	--		--	--	--	--	--
1430		5001			--	--	--	--	--		--		--	--	--	--	--
	89 D 756.1 125.8	WHISKY SLOUGH AT HOLT															
10/05/71	30 C	5001	7.3	7.2		--	--	--	2.6	D	--		--	--	--	--	--
1220		5001			--	--	--	--	15	S	6		--	--	--	--	--
11/11/71	12 C	5001	7.5	9.4		--	--	--	2.4	B	--		--	--	--	--	--
1245		5001			--	--	--	--	--		--		--	--	--	--	--
12/09/71	8 C	5001	7.6	11.4		--	--	--	1.7	B	--		--	--	--	--	--
1245		5001			--	--	--	--	--		--		--	--	--	--	--
1/19/72	6 C	5001	7.3	10.0		--	--	--	1.8	B	--		--	--	--	--	--
1250		5001	7.3		--	--	--	--	3	S	3		--	--	--	--	--
2/23/72	13 C	5001	7.2	11.4		--	--	--	3.2	B	--		--	--	--	--	--
1240		5001			--	--	--	--	--		--		--	--	--	--	--
4/20/72	15 C	5001	8.5	11.5		--	--	--	--		--		--	--	--	--	--
1215		5001	7.7		--	--	--	--	39	S	7		--	--	--	--	--
6/16/72	23 C	5001	7.5	5.3		--	--	--	2.2	B	--		--	--	--	--	--
1045		5001			--	--	--	--	--		--		--	--	--	--	--
7/13/72	29 C	5001	8.5	8.8		--	--	--	--		--		--	--	--	--	--
1350		5001	8.2		--	--	--	--	14	S	0		--	--	--	--	--
8/17/72	22 C	5001	7.7	8.2		--	--	--	3.8	D	--		--	--	--	--	--
1350		5001			--	--	--	--	--		--		--	--	--	--	--
	89 D 758.7 122.9	SAN JOAQUIN RIVER AT BUCKLEY COVE															
10/05/71	19 C	5001	7.7	5.6		--	--	--	10.0	D	--		--	--	--	--	--
1120		5001			--	--	--	--	14	S	6		--	--	--	--	--
11/11/71	12 C	5001	7.7	9.4		--	--	--	3.7	B	--		--	--	--	--	--
1145		5001			--	--	--	--	--		--		--	--	--	--	--
12/09/71	9 C	5001	7.8	11.0		--	--	--	3.9	B	--		--	--	--	--	--
1135		5001			--	--	--	--	--		--		--	--	--	--	--
1/19/72	7 C	5001	7.5	11.0		--	--	--	1.5	B	--		--	--	--	--	--
1140		5001	7.6		--	--	--	--	13	S	4		--	--	--	--	--
2/23/72	13 C	5001	7.4	10.1		--	--	--	2.7	B	--		--	--	--	--	--
1145		5001			--	--	--	--	--		--		--	--	--	--	--
4/20/72	16 C	5001	7.5	12.6		--	--	--	--		--		--	--	--	--	--
1125		5001	7.6		--	--	--	--	57	S	9		--	--	--	--	--
6/16/72	23 C	5001	7.5	7.6		--	--	--	2.5	B	--		--	--	--	--	--
0945		5001			--	--	--	--	--		--		--	--	--	--	--
7/13/72	27 C	5001	8.1	8.5		--	--	--	--		--		--	--	--	--	--
1245		5001	7.9		--	--	--	--	7	S	0		--	--	--	--	--
8/17/72	22 C	5001	7.8	7.3		--	--	--	3.6	D	--		--	--	--	--	--
1300		5001			--	--	--	--	--		--		--	--	--	--	--
	89 D 800.5 134.8	OLD RIVER AT HOLLAND TRACT															
3/22/72	15 C	5001	7.6	9.9		--	--	--	--		--		--	--	--	--	--
1210		5001	7.6		--	--	--	--	30	S	5		--	--	--	--	--
	89 D 800.7 138.4	DUTCH SLOUGH AT BETHEL ISLAND BRIDGE															
3/22/72	16 C	5001	8.0	11.2		--	--	--	--		--		--	--	--	--	--
1300		5001	7.7		--	--	--	--	55	S	11		--	--	--	--	--
	89 D 801.1 142.6	BIG BREAK NEAR OAKLEY															
10/27/71	16 C	5001	8.2	11.3		--	--	--	1.6	D	--		--	--	--	--	--
1330		5001			--	--	--	--	28	S	6		--	--	--	--	--
11/17/71	12 C	5001	8.1	11.1		--	--	--	1.5	D	--		--	--	--	--	--
1615		5001	7.8		--	--	--	--	12	S	0		--	--	--	--	--
12/13/71	9 C	5001	7.7	12.5		--	--	--	1.4	D	--		--	--	--	--	--
1445		5001	7.5		--	--	--	--	41	S	--		--	--	--	--	--
1/10/72	6 C	5001	7.6	11.0		--	--	--	2.0	F	--		--	--	--	--	--
1450		5001	7.5		--	--	--	--	32	S	15		--	--	--	--	--
2/11/72	9 C	5001	7.5	10.0		--	--	--	0.5	D	--		--	--	--	--	--
1500		5001	7.4		--	--	--	--	10	S	7		--	--	--	--	--

TABLE D-5 (CONTINUED)

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

DATE TIME	TEMP EC	SAMP LAB	F-PH L-PH	DO G.H.	DISCHARGE MBAS	T+L CHLOR	O+G COLOR	SET S ML/L MG/L	BOD SUS	S	COD V SUS	S	CYANIDE PHENOLS	TOC DOC	IODIDE T ODOR	BROMIDE SULFITE	T SULF D SULF
	89 D 801.1 142.6	BIG BREAK NEAR OAKLEY										CONTINUED					
3/23/72	15 C	5001	8.3	10.8		--	--	--	--		--		--	--	--	--	--
1220		5001	7.6		--	--	--	--	30	5	7		--	--	--	--	--
5/23/72	20 C	5001	7.8	9.8		--	--	--	--		--		--	--	--	--	--
1510		5001	7.6		--	--	--	--	29	5	15		--	--	--	--	--
7/18/72	22 C	5001	8.4	8.8		--	--	--	1.4	D	--		--	--	--	--	--
1325		5001	7.9		--	--	--	--	48	5	1		--	--	--	--	--
9/21/72	21 C	5001	8.3	9.6		--	--	--	1.8	D	--		--	--	--	--	--
1600		5001	7.6		--	--	--	--	--		--		--	--	--	--	--
	89 D 801.2 148.5	SAN JOAQUIN RIVER AT ANTIOCH SHIP CHANNEL															
10/27/71	17 C	5001	7.7	9.8		--	--	--	1.2	D	--		--	--	--	--	--
1250		5001			--	--	--	--	38	5	4		--	--	--	--	--
11/17/71	12 C	5001	7.8	10.6		--	--	--	0.7	D	--		--	--	--	--	--
1535		5001	7.7		--	--	--	--	36	5	0		--	--	--	--	--
12/13/71	9 C	5001	7.7	11.5		--	--	--	1.5	D	--		--	--	--	--	--
1410		5001	7.5		--	--	--	--	43	5	--		--	--	--	--	--
1/10/72	6 C	5001	7.5	10.0		--	--	--	7.3	F	--		--	--	--	--	--
1415		5001	7.3		--	--	--	--	15	5	5		--	--	--	--	--
2/11/72	8 C	5001	7.4	9.5		--	--	--	0.8	D	--		--	--	--	--	--
1425		5001	7.3		--	--	--	--	24	5	12		--	--	--	--	--
3/23/72	15 C	5001	7.9	9.5		--	--	--	--		--		--	--	--	--	--
1140		5001	7.4		--	--	--	--	23	5	5		--	--	--	--	--
5/23/72	20 C	5001	7.6	8.8		--	--	--	--		--		--	--	--	--	--
1420		5001	7.6		--	--	--	--	55	5	20		--	--	--	--	--
7/18/72	22 C	5001	8.0	8.9		--	--	--	1.8	D	--		--	--	--	--	--
1230		5001	7.7		--	--	--	--	37	5	0		--	--	--	--	--
9/21/72	20 C	5001	8.1	8.5		--	--	--	2.0	D	--		--	--	--	--	--
1530		5001	7.9		--	--	--	--	--		--		--	--	--	--	--
	89 D 801.6 145.2	SAN JOAQUIN RIVER AT ANTIOCH BRIDGE (AT LIGHT 12)															
10/27/71	17 C	5001	8.0	9.8		--	--	--	1.2	D	--		--	--	--	--	--
1310		5001			--	--	--	--	27	5	4		--	--	--	--	--
11/17/71	12 C	5001	7.7	10.6		--	--	--	1.5	D	--		--	--	--	--	--
1555		5001	7.7		--	--	--	--	11	5	0		--	--	--	--	--
3/23/72	15 C	5001	7.9	9.3		--	--	--	--		--		--	--	--	--	--
1200		5001	7.5		--	--	--	--	23	5	4		--	--	--	--	--
5/23/72	20 C	5001	7.7	8.6		--	--	--	--		--		--	--	--	--	--
1445		5001	7.5		--	--	--	--	33	5	20		--	--	--	--	--
7/18/72	22 C	5001	8.3	8.6		--	--	--	1.3	D	--		--	--	--	--	--
1300		5001	7.9		--	--	--	--	35	5	0		--	--	--	--	--
9/21/72	21 C	5001	7.8	8.0		--	--	--	2.0	D	--		--	--	--	--	--
1550		5001	7.7		--	--	--	--	--		--		--	--	--	--	--
	89 D 802.6 136.8	FRANKS TRACT NEAR RUSSOS LANDING															
10/27/71	17 C	5001	8.2	11.3		--	--	--	1.2	D	--		--	--	--	--	--
1455		5001			--	--	--	--	20	5	7		--	--	--	--	--
11/16/71	11 C	5001	7.7	11.5		--	--	--	1.6	D	--		--	--	--	--	--
1645		5001	7.8		--	--	--	--	6	5	0		--	--	--	--	--
3/23/72	15 C	5001	8.0	10.0		--	--	--	--		--		--	--	--	--	--
1335		5001	7.6		--	--	--	--	21	5	6		--	--	--	--	--
5/23/72	21 C	5001	7.7	9.5		--	--	--	--		--		--	--	--	--	--
1645		5001	7.5		--	--	--	--	43	5	18		--	--	--	--	--
7/18/72	23 C	5001	8.2	8.8		--	--	--	1.3	D	--		--	--	--	--	--
1600		5001	7.5		--	--	--	--	37	5	0		--	--	--	--	--
9/21/72	21 C	5001	8.4	9.5		--	--	--	1.7	D	--		--	--	--	--	--
1710		5001	7.5		--	--	--	--	--		--		--	--	--	--	--
	89 D 802.6 147.6	SHERMAN LAKE NEAR ANTIOCH															
10/26/71	17 C	5001	7.9	9.7		--	--	--	1.4	D	--		--	--	--	--	--
1310		5001			--	--	--	--	31	5	2		--	--	--	--	--
11/16/71	12 C	5001	7.6	11.0		--	--	--	1.5	D	--		--	--	--	--	--
1330		5001	7.7		--	--	--	--	0	5	0		--	--	--	--	--
3/22/72	15 C	5001	7.8	9.6		--	--	--	--		--		--	--	--	--	--
1125		5001	7.5		--	--	--	--	12	5	2		--	--	--	--	--
5/22/72	20 C	5001	7.8	9.5		--	--	--	--		--		--	--	--	--	--
1540		5001	8.0		--	--	--	--	39	5	14		--	--	--	--	--
6/20/72	21 C	5001	8.1	9.1		--	--	--	--		--		--	--	--	--	--
1505		5001	7.9		--	--	--	--	40	5	13		--	--	--	--	--
7/19/72	22 C	5001	8.1	8.4		--	--	--	1.2	B	--		--	--	--	--	--
1355		5001	8.0		--	--	--	--	43	5	2		--	--	--	--	--
9/20/72	20 C	5001	7.8	9.1		--	--	--	1.9	D	--		--	--	--	--	--
1610		5001	7.3		--	--	--	--	--		--		--	--	--	--	--

TABLE D-5 (CONTINUED)

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

DATE TIME	TEMP EC	SAMP LAB	F-PH L-PH	DO G.M.	DISCHARGE MBAS	T+L CHLOR	O+G COLOR	SET S ML/L MG/L	BOD SUS	S	COD V	SUS	S	CYANIDE PHENOLS	TOC DOC	IODIDE T	ODOR	BROMIDE SULFITE	T SULF D	SULF
	89 D 802.7	123.3	DISAPPOINTMENT SLOUGH NEAR LODI																	
10/05/71	19 C	5001	7.6	9.7		--	--	--	2.5	D	--			--	--	--		--		--
1000		5001			--	--	--	--	44	5	10			--	--	--		--		--
11/11/71	12 C	5001	7.6	10.0		--	--	--	2.9	D	--			--	--	--		--		--
1030		5001			--	--	--	--	--		--			--	--	--		--		--
12/09/71	6 C	5001	7.9	11.9		--	--	--	2.7	B	--			--	--	--		--		--
1030		5001			--	--	--	--	--		--			--	--	--		--		--
1/19/72	6 C	5001	7.4	9.6		--	--	--	2.1	B	--			--	--	--		--		--
1030		5001	7.6		--	--	--	--	27	5	5			--	--	--		--		--
2/23/72	13 C	5001	7.2	10.6		--	--	--	2.1	B	--			--	--	--		--		--
1025		5001			--	--	--	--	--		--			--	--	--		--		--
4/20/72	15 C	5001	8.3	10.5		--	--	--	--		--			--	--	--		--		--
1000		5001	7.6		--	--	--	--	58	5	10			--	--	--		--		--
6/16/72	21 C	5001	7.5	6.1		--	--	--	2.8	B	--			--	--	--		--		--
0820		5001			--	--	--	--	--		--			--	--	--		--		--
7/13/72	26 C	5001	7.5	5.8		--	--	--	--		--			--	--	--		--		--
1045		5001	7.8		--	--	--	--	27	5	2			--	--	--		--		--
8/17/72	20 C	5001	7.9	7.8		--	--	--	2.8	D	--			--	--	--		--		--
1100		5001			--	--	--	--	--		--			--	--	--		--		--
	89 D 803.1	141.3	SAN JOAQUIN RIVER AT JERSEY POINT																	
10/27/71	18 C	5001	8.0	10.6		--	--	--	1.2	D	--			--	--	--		--		--
1355		5001			--	--	--	--	23	5	8			--	--	--		--		--
11/17/71	12 C	5001	8.0	11.0		--	--	--	1.8	D	--			--	--	--		--		--
1640		5001	7.7		--	--	--	--	2	5	0			--	--	--		--		--
12/13/71	8 C	5001	7.6	12.4		--	--	--	1.6	D	--			--	--	--		--		--
1520		5001	7.5		--	--	--	--	36	5	--			--	--	--		--		--
1/10/72	6 C	5001	7.6	11.3		--	--	--	1.7	F	--			--	--	--		--		--
1515		5001	7.4		--	--	--	--	4	5	0			--	--	--		--		--
2/11/72	8 C	5001	7.5	10.0		--	--	--	0.8	D	--			--	--	--		--		--
1530		5001	7.4		--	--	--	--	31	5	12			--	--	--		--		--
3/23/72	15 C	5001	8.0	9.9		--	--	--	--		--			--	--	--		--		--
1245		5001	7.6		--	--	--	--	21	5	4			--	--	--		--		--
5/23/72	20 C	5001	7.6	9.2		--	--	--	--		--			--	--	--		--		--
1540		5001	7.7		--	--	--	--	24	5	21			--	--	--		--		--
7/18/72	22 C	5001	8.2	8.6		--	--	--	1.0	D	--			--	--	--		--		--
1415		5001	7.4		--	--	--	--	32	5	1			--	--	--		--		--
9/21/72	20 C	5001	8.2	9.0		--	--	--	1.9	D	--			--	--	--		--		--
1625		5001	7.5		--	--	--	--	--		--			--	--	--		--		--
	89 D 804.7	134.0	SAN JOAQUIN RIVER AT POTATO POINT																	
10/27/71	16 C	5001	7.8	9.9		--	--	--	0.6	D	--			--	--	--		--		--
1525		5001	7.4		--	--	--	--	4	5	3			--	--	--		--		--
11/16/71	11 C	5001	7.6	10.8		--	--	--	1.0	D	--			--	--	--		--		--
1710		5001	7.6		--	--	--	--	2	5	0			--	--	--		--		--
3/23/72	15 C	5001	7.8	9.8		--	--	--	--		--			--	--	--		--		--
1400		5001	7.6		--	--	--	--	12	5	3			--	--	--		--		--
5/23/72	20 C	5001	7.4	8.8		--	--	--	--		--			--	--	--		--		--
1720		5001	7.6		--	--	--	--	22	5	17			--	--	--		--		--
7/18/72	23 C	5001	8.0	8.2		--	--	--	0.4	B	--			--	--	--		--		--
1530		5001	7.7		--	--	--	--	26	5	0			--	--	--		--		--
9/21/72	20 C	5001	8.0	8.4		--	--	--	1.7	D	--			--	--	--		--		--
1730		5001	7.4		--	--	--	--	--		--			--	--	--		--		--
	89 D 805.2	124.1	WHITE SLOUGH AT RIO BLANCO TRACT																	
10/05/71	19 C	5001	7.7	5.5		--	--	--	4.8	D	--			--	--	--		--		--
0920		5001			--	--	--	--	20	5	7			--	--	--		--		--
11/11/71	12 C	5001	7.4	6.8		--	--	--	4.0	B	--			--	--	--		--		--
0945		5001			--	--	--	--	--		--			--	--	--		--		--
12/09/71	8 C	5001	7.1	9.0		--	--	--	6.3	B	--			--	--	--		--		--
0955		5001			--	--	--	--	--		--			--	--	--		--		--
1/19/72	8 C	5001	7.4	7.6		--	--	--	4.3	B	--			--	--	--		--		--
0935		5001	7.5		--	--	--	--	23	5	6			--	--	--		--		--
2/23/72	15 C	5001	7.1	7.5		--	--	--	4.5	B	--			--	--	--		--		--
0945		5001			--	--	--	--	--		--			--	--	--		--		--
4/20/72	17 C	5001	8.4	12.2		--	--	--	--		--			--	--	--		--		--
0855		5001	7.6		--	--	--	--	71	5	12			--	--	--		--		--
6/16/72	21 C	5001	7.6	6.0		--	--	--	3.5	B	--			--	--	--		--		--
0735		5001			--	--	--	--	--		--			--	--	--		--		--
7/13/72	26 C	5001	7.5	5.0		--	--	--	--		--			--	--	--		--		--
0950		5001	7.8		--	--	--	--	36	5	4			--	--	--		--		--
8/17/72	19 C	5001	7.7	6.3		--	--	--	10.2	D	--			--	--	--		--		--
1000		5001			--	--	--	--	--		--			--	--	--		--		--

TABLE D-5 (CONTINUED)

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

DATE TIME	TEMP EC	SAMP LAB	F-PH L-PH	DO G.H.	DISCHARGE MBAS	T+L CHLOR	O+G COLOR	SET S ML/L MG/L	BOD SUS	S	COD V SUS	S	CYANIDE PHENOLS	TOC DOC	IODIDE T ODOR	BROMIDE SULFITE	T SULF D SULF
89 D 805.2 126.0 WHITE SLOUGH NEAR LODI																	
10/06/71	18 C	5001	7.2	8.6		--	--	--	1.7	B	--		--	--	--	--	--
1005		5001			--	--	--	--	13	5	4		--	--	--	--	--
11/12/71	12 C	5001	7.4	9.7		--	--	--	1.4	B	--		--	--	--	--	--
1000		5001			--	--	--	--	--		--		--	--	--	--	--
12/10/71	7 C	5001	7.4	11.8		--	--	--	1.5	B	--		--	--	--	--	--
1030		5001			--	--	--	--	--		--		--	--	--	--	--
1/20/72	7 C	5001	7.2	10.7		--	--	--	1.7	B	--		--	--	--	--	--
1000		5001	7.6		--	--	--	--	7	5	3		--	--	--	--	--
2/24/72	12 C	5001	7.4	9.6		--	--	--	1.1	B	--		--	--	--	--	--
1020		5001			--	--	--	--	--		--		--	--	--	--	--
4/21/72	15 C	5001	7.4	9.7		--	--	--	--		--		--	--	--	--	--
1025		5001	7.5		--	--	--	--	24	5	1		--	--	--	--	--
6/19/72	22 C	5001	7.7	7.2		--	--	--	2.0	B	--		--	--	--	--	--
1030		5001			--	--	--	--	--		--		--	--	--	--	--
7/14/72	27 C	5001	7.7	7.4		--	--	--	--		--		--	--	--	--	--
1030		5001	7.5		--	--	--	--	14	5	4		--	--	--	--	--
8/18/72	22 C	5001	7.5	8.1		--	--	--	3.6	D	--		--	--	--	--	--
1030		5001			--	--	--	--	--		--		--	--	--	--	--
89 D 808.8 126.1 SYCAMORE SLOUGH NEAR LODI																	
10/06/71	19 C	5001	6.9	0.7		--	--	--	22.0	B	--		--	--	--	--	--
1035		5001			--	--	--	--	5	5	4		--	--	--	--	--
11/12/71	12 C	5001	7.5	8.4		--	--	--	--		--		--	--	--	--	--
1040		5001			--	--	--	--	--		--		--	--	--	--	--
12/10/71	6 C	5001	7.5	12.5		--	--	--	2.2	B	--		--	--	--	--	--
1100		5001			--	--	--	--	--		--		--	--	--	--	--
1/20/72	7 C	5001	7.4	0.2		--	--	--	--		--		--	--	--	--	--
1040		5001	7.3		--	--	--	--	21	5	14		--	--	--	--	--
2/24/72	13 C	5001	7.4	1.4		--	--	--	15.4	B	--		--	--	--	--	--
1105		5001			--	--	--	--	--		--		--	--	--	--	--
4/21/72	17 C	5001	8.7	11.0		--	--	--	--		--		--	--	--	--	--
1100		5001	7.3		--	--	--	--	54	5	9		--	--	--	--	--
6/19/72	21 C	5001	7.7	8.4		--	--	--	3.8	B	--		--	--	--	--	--
1120		5001			--	--	--	--	--		--		--	--	--	--	--
7/14/72	29 C	5001	8.1	7.8		--	--	--	--		--		--	--	--	--	--
1120		5001	7.6		--	--	--	--	34	5	6		--	--	--	--	--
8/18/72	22 C	5001	7.6	6.8		--	--	--	6.2	D	--		--	--	--	--	--
1115		5001			--	--	--	--	--		--		--	--	--	--	--
89 D 809.4 141.0 SACRAMENTO RIVER BELOW RIO VISTA BRIDGE																	
10/26/71	16 C	5001	7.6			--	--	--	0.7	D	--		--	--	--	--	--
1410		5001			--	--	--	--	10	5	1		--	--	--	--	--
11/16/71	12 C	5001	7.6	11.1		--	--	--	1.3	D	--		--	--	--	--	--
1550		5001	7.6		--	--	--	--	0	5	0		--	--	--	--	--
12/13/71	7 C	5001	7.6	11.9		--	--	--	1.5	D	--		--	--	--	--	--
1605		5001	7.4		--	--	--	--	33	5	--		--	--	--	--	--
1/10/72	6 C	5001	7.4	12.3		--	--	--	1.8	F	--		--	--	--	--	--
1555		5001	7.5		--	--	--	--	7	5	3		--	--	--	--	--
2/11/72	9 C	5001	7.6	10.1		--	--	--	1.2	D	--		--	--	--	--	--
1615		5001	7.6		--	--	--	--	30	5	11		--	--	--	--	--
3/22/72	14 C	5001	7.8	9.6		--	--	--	--		--		--	--	--	--	--
1220		5001	7.7		--	--	--	--	36	5	15		--	--	--	--	--
5/22/72	19 C	5001	7.7	8.1		--	--	--	--		--		--	--	--	--	--
1700		5001	8.0		--	--	--	--	25	5	19		--	--	--	--	--
6/20/72	21 C	5001	8.1	9.4		--	--	--	--		--		--	--	--	--	--
1620		5001	7.8		--	--	--	--	12	5	5		--	--	--	--	--
7/19/72	22 C	5001	8.1	8.3		--	--	--	1.0	B	--		--	--	--	--	--
1450		5001	8.0		--	--	--	--	21	5	3		--	--	--	--	--
9/20/72	20 C	5001	7.8	9.4		--	--	--	1.2	D	--		--	--	--	--	--
1700		5001	7.5		--	--	--	--	--		--		--	--	--	--	--
89 D 810.1 127.9 HOG SLOUGH NEAR THORNTON																	
10/06/71	18 C	5001	7.3	6.8		--	--	--	3.2	B	--		--	--	--	--	--
1115		5001			--	--	--	--	4	5	3		--	--	--	--	--
11/12/71	12 C	5001	7.6	9.6		--	--	--	1.6	B	--		--	--	--	--	--
1120		5001			--	--	--	--	--		--		--	--	--	--	--
12/10/71	7 C	5001	7.8	13.0		--	--	--	2.3	B	--		--	--	--	--	--
1145		5001			--	--	--	--	--		--		--	--	--	--	--
1/20/72	7 C	5001	7.7	11.3		--	--	--	2.7	B	--		--	--	--	--	--
1125		5001	7.8		--	--	--	--	2	5	1		--	--	--	--	--
2/24/72	13 C	5001	8.0	11.5		--	--	--	3.8	B	--		--	--	--	--	--
1145		5001			--	--	--	--	--		--		--	--	--	--	--
4/21/72	16 C	5001	7.4	9.3		--	--	--	--		--		--	--	--	--	--
1130		5001	7.5		--	--	--	--	20	5	4		--	--	--	--	--
6/19/72	21 C	5001	7.7	7.6		--	--	--	1.2	B	--		--	--	--	--	--
1230		5001			--	--	--	--	--		--		--	--	--	--	--

TABLE D-5 (CONTINUED)

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

DATE TIME	TEMP EC	SAMP LAB	F-PH L-PH	DO G.M.	DISCHARGE MBAS	T+L CHLOR	O+G COLOR	SET S ML/L MG/L	BOD SUS S	COD V SUS S	CYANIDE PHENOLS	TOC DOC	IODIDE I ODOR	BROMIDE SULFITE	T SULF D SULF
89 D 810.1 127.9 HOG SLOUGH NEAR THORNTON CONTINUED															
7/14/72	27 C	5001	8.6	7.4		--	--	--	--	--	--	--	--	--	--
1220		5001	7.8		--	--	--	--	7 S	2	--	--	--	--	--
8/18/72	22 C	5001	7.6	8.1		--	--	--	3.0 O	--	--	--	--	--	--
1230		5001			--	--	--	--	--	--	--	--	--	--	--
89 D 812.3 126.8 BEAVER SLOUGH NEAR THORNTON															
10/06/71	19 C	5001	7.8	10.6		--	--	--	--	--	--	--	--	--	--
1220		5001			--	--	--	--	5 S	5	--	--	--	--	--
11/12/71	12 C	5001	7.2	8.1		--	--	--	3.0 B	--	--	--	--	--	--
1150		5001			--	--	--	--	--	--	--	--	--	--	--
12/10/71	7 C	5001	7.3	10.7		--	--	--	2.4 B	--	--	--	--	--	--
1240		5001			--	--	--	--	--	--	--	--	--	--	--
1/20/72	6 C	5001	7.2	4.2		--	--	--	6.0 B	--	--	--	--	--	--
1220		5001	7.4		--	--	--	--	15 S	8	--	--	--	--	--
2/24/72	13 C	5001	7.3	7.0		--	--	--	4.8 B	--	--	--	--	--	--
1250		5001			--	--	--	--	--	--	--	--	--	--	--
4/21/72	15 C	5001	8.4	11.5		--	--	--	--	--	--	--	--	--	--
1230		5001	7.6		--	--	--	--	51 S	13	--	--	--	--	--
6/19/72	21 C	5001	7.5	7.0		--	--	--	2.0 B	--	--	--	--	--	--
1330		5001			--	--	--	--	--	--	--	--	--	--	--
7/14/72	27 C	5001	8.2	7.3		--	--	--	--	--	--	--	--	--	--
1330		5001	7.8		--	--	--	--	15 S	9	--	--	--	--	--
8/18/72	22 C	5001	7.6	7.4		--	--	--	2.4 D	--	--	--	--	--	--
1300		5001			--	--	--	--	--	--	--	--	--	--	--
89 D 815.3 126.3 MOKELUMNE RIVER NEAR THORNTON															
10/06/71	15 C	5001	7.1	10.6		--	--	--	0.5 B	--	--	--	--	--	--
1250		5001			--	--	--	--	0 S	0	--	--	--	--	--
11/12/71	13 C	5001	7.1	9.6		--	--	--	1.5 B	--	--	--	--	--	--
1240		5001			--	--	--	--	--	--	--	--	--	--	--
12/10/71	5 C	5001	7.0	12.4		--	--	--	1.1 B	--	--	--	--	--	--
1315		5001			--	--	--	--	--	--	--	--	--	--	--
1/20/72	8 C	5001	7.2	12.4		--	--	--	0.8 B	--	--	--	--	--	--
1255		5001	7.4		--	--	--	--	6 S	3	--	--	--	--	--
2/24/72	12 C	5001	7.4	11.3		--	--	--	2.5 B	--	--	--	--	--	--
1325		5001			--	--	--	--	--	--	--	--	--	--	--
4/21/72	15 C	5001	6.9	10.0		--	--	--	--	--	--	--	--	--	--
1300		5001	7.5		--	--	--	--	16 S	2	--	--	--	--	--
6/19/72	21 C	5001	8.2	10.5		--	--	--	2.8 B	--	--	--	--	--	--
1410		5001			--	--	--	--	--	--	--	--	--	--	--
7/14/72	27 C	5001	8.2	10.9		--	--	--	--	--	--	--	--	--	--
1420		5001	8.3		--	--	--	--	12 S	0	--	--	--	--	--
8/18/72	21 C	5001	7.6	8.0		--	--	--	2.8 D	--	--	--	--	--	--
1340		5001			--	--	--	--	--	--	--	--	--	--	--
89 D 816.6 129.8 SNODGRASS SLOUGH AT TWIN CITIES ROAD															
10/06/71	19 C	5001	7.2	7.6		--	--	--	1.4 B	--	--	--	--	--	--
1330		5001			--	--	--	--	25 S	5	--	--	--	--	--
11/12/71	12 C	5001	7.5	9.7		--	--	--	1.3 B	--	--	--	--	--	--
1315		5001			--	--	--	--	--	--	--	--	--	--	--
12/10/71	8 C	5001	7.3	11.9		--	--	--	1.1 B	--	--	--	--	--	--
1355		5001			--	--	--	--	--	--	--	--	--	--	--
1/20/72	7 C	5001	7.3	10.7		--	--	--	1.2 B	--	--	--	--	--	--
1320		5001	7.5		--	--	--	--	18 S	5	--	--	--	--	--
4/21/72	16 C	5001	7.4	9.8		--	--	--	--	--	--	--	--	--	--
1340		5001	7.4		--	--	--	--	24 S	1	--	--	--	--	--
6/19/72	21 C	5001	7.5	7.6		--	--	--	6.5 F	--	--	--	--	--	--
1500		5001			--	--	--	--	--	--	--	--	--	--	--
7/14/72	27 C	5001	7.7	8.3		--	--	--	--	--	--	--	--	--	--
1510		5001	7.7		--	--	--	--	13 S	0	--	--	--	--	--
8/18/72	21 C	5001	7.5	7.6		--	--	--	3.0 D	--	--	--	--	--	--
1420		5001			--	--	--	--	--	--	--	--	--	--	--
89 D 819.1 130.1 SNODGRASS SLOUGH AT SOUTHERN PACIFIC RR BRIDGE															
10/06/71	19 C	5001	7.0	6.0		--	--	--	4.8 B	--	--	--	--	--	--
1410		5001			--	--	--	--	16 S	3	--	--	--	--	--
11/12/71	12 C	5001	7.3	7.4		--	--	--	2.3 B	--	--	--	--	--	--
1350		5001			--	--	--	--	--	--	--	--	--	--	--
12/10/71	7 C	5001	7.0	11.3		--	--	--	1.6 B	--	--	--	--	--	--
1420		5001			--	--	--	--	--	--	--	--	--	--	--
1/20/72	7 C	5001	7.3	9.1		--	--	--	2.4 B	--	--	--	--	--	--
1405		5001	7.5		--	--	--	--	10 S	7	--	--	--	--	--
2/24/72	13 C	5001	7.3	10.0		--	--	--	4.1 B	--	--	--	--	--	--
1440		5001			--	--	--	--	--	--	--	--	--	--	--
4/21/72	17 C	5001	7.6			--	--	--	--	--	--	--	--	--	--
1400		5001	7.6		--	--	--	--	29 S	2	--	--	--	--	--

TABLE D-5 (CONTINUED)

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

DATE TIME	TEMP EC	SAMP LAB	F-PH L-PH	DO G.H.	DISCHARGE MGAS	T+L CHLOR	O+G COLOR	SET S ML/L MG/L	BOD SUS	S	COD V SUS	S	CYANIDE PHENOLS	TOC DOC	IODIDE T ODOR	BROMIDE SULFITE	T SULF D SULF
	89 D 819.1 130.1				SNODGRASS SLOUGH AT SOUTHERN PACIFIC RR BRIDGE								CONTINUED				
6/19/72	21 C	5001	7.8	8.4		--	--	--	3.0	8	--		--	--	--	--	--
1540		5001			--	--	--	--	--		--		--	--	--	--	--
7/14/72	27 C	5001	7.2	5.3		--	--	--	--		--		--	--	--	--	--
1555		5001	7.6		--	--	--	--	13	5	0		--	--	--	--	--
8/18/72	22 C	5001	7.3	5.3		--	--	--	3.0	D	--		--	--	--	--	--
1455		5001			--	--	--	--	--		--		--	--	--	--	--
	89 D 820.7 132.7				SACRAMENTO RIVER AT GREENE'S LANDING												
10/21/71	57.2F	5050	7.3	9.6		--	--	--	--		--		--	--	--	--	--
0950	102	5050			--	--	0	--	--		--		0.000	--	--	--	--
11/17/71	53.1F	5050	7.3	10.5		--	--	--	--		--		--	--	--	--	--
1300	142	5050			--	--	0	--	--		--		0.002	--	--	--	--
12/15/71	45.5F	5050	7.3	11.5		--	--	--	--		--		--	--	--	--	--
1320	135	5050			--	--	0	--	--		--		0.000	--	--	--	--
1/26/72	46.8F	5050	7.3	10.6		--	--	--	--		--		--	--	--	--	--
1320	130	5050			--	--	--	--	--		--		0.000	--	--	--	--
2/16/72	49 F	5050	7.3	10.6		--	--	--	--		--		--	--	--	--	--
1400	150	5050			--	--	--	--	--		--		0.000	--	--	--	--
3/15/72	55 F	5050	7.4	10.3		--	--	--	--		--		--	--	--	--	--
1400	125	5050			--	--	--	--	--		--		0.001	--	--	--	--
3/22/72	13 C	5001	7.8	9.6		--	--	--	--		--		--	--	--	--	--
0830		5001	7.6		--	--	--	--	15	5	3		--	--	--	--	--
4/19/72	57 F	5050	7.3	9.6		--	--	--	--		--		--	--	--	--	--
1500	135	5050			--	--	--	--	--		--		0.000	--	--	--	--
4/24/72	16 C	5001	7.4	10.7		--	--	--	--		--		--	--	--	--	--
1030		5001			--	--	--	--	28	5	2		--	--	--	--	--
5/17/72	69 F	5050	7.4	7.6		--	--	--	--		--		--	--	--	--	--
1235	210	5050			--	--	--	--	--		--		0.000	--	--	--	--
5/22/72	17 C	5001	7.4	8.9		--	--	--	--		--		--	--	--	--	--
0930		5001			--	--	--	--	28	5	--		--	--	--	--	--
6/21/72	70.9F	5050	7.3	7.5		--	--	--	--		--		--	--	--	--	--
1120	152	5050			--	--	--	--	--		--		0.000	--	--	--	--
7/18/72	21 C	5001	7.2	9.4		--	--	--	--		--		--	--	--	--	--
0925		5001			--	--	--	--	15	5	--		--	--	--	--	--
7/26/72	70 F	5050	7.4	8.0		--	--	--	--		--		--	--	--	--	--
1020	155	5050			--	--	--	--	--		--		0.000	--	--	--	--
8/16/72	68.0F	5050	7.4	7.7		--	--	--	--		--		--	--	--	--	--
1005	155	5050			--	--	--	--	--		--		0.000	--	--	--	--
9/20/72	64.0F	5050	7.4	8.1		--	--	--	--		--		--	--	--	--	--
0825	171	5050			--	--	--	--	--		--		0.000	--	--	--	--
	G7 L 856.3 000.5				LAKE TAHOE AT TAHOE KEYS PIER (S-1)												
5/03/72	10.5C	5050	7.4	9.5		--	--	--	--		--		--	--	--	--	--
1130	97	5050			0.00 A	--	--	--	--		--		--	--	--	--	--
8/02/72	19.8C	5050	7.7	7.4		--	--	--	--		--		--	--	--	--	--
1145	87	5050			0.00 A	--	--	--	--		--		--	--	--	--	--
	G7 L 856.4 000.6				LAKE TAHOE NEAR TAHOE KEYS (L-1)												
5/03/72	48.2F	5050	7.5	9.7		--	--	--	--		--		--	--	--	--	--
1105	86	5050			0.00 A	--	--	--	--		--		--	--	--	--	--
8/02/72	65.7F	5050	7.7	7.6		--	--	--	--		--		--	--	--	--	--
1040	91	5050			0.00 A	--	--	--	--		--		--	--	--	--	--
	G7 L 856.5 003.4				LAKE TAHOE NEAR CAMP RICHARDSON (S-6)												
5/03/72	47.4F	5050	7.7	9.7		--	--	--	--		--		--	--	--	--	--
1125	91	5050			0.00 A	--	--	--	--		--		--	--	--	--	--
8/02/72	65.6F	5050	7.7	7.6		--	--	--	--		--		--	--	--	--	--
1055	90	5050			0.00 A	--	--	--	--		--		--	--	--	--	--
	G7 L 857.0 958.0 2				LAKE TAHOE AT SURF AND SANDS PIER (S-10)												
5/03/72	9.8C	5050	7.5	9.6		--	--	--	--		--		--	--	--	--	--
1100	92	5050			0.00 A	--	--	--	--		--		--	--	--	--	--
8/02/72	19.8C	5050	7.7	7.4		--	--	--	--		--		--	--	--	--	--
1100	85	5050			0.01 A	--	--	--	--		--		--	--	--	--	--
	G7 L 900.0 000.0				LAKE TAHOE - SOUTH CENTER (C-1)												
5/03/72	46.4F	5050	7.7			--	--	--	--		--		--	--	--	--	--
1010	92	5050			0.00 A	--	--	--	--		--		--	--	--	--	--
8/02/72	65.6F	5050	7.7	7.6		--	--	--	--		--		--	--	--	--	--
0945	90	5050			0.00 A	--	--	--	--		--		--	--	--	--	--
	G7 L 900.4 956.9				LAKE TAHOE AT ZEPHYR COVE PIER (S-8)												
5/03/72	7.4C	5050	7.4	9.6		--	--	--	--		--		--	--	--	--	--
0915	95	5050			0.00 A	--	--	--	--		--		--	--	--	--	--
8/02/72	18.7C	5050	7.7	7.4		--	--	--	--		--		--	--	--	--	--
0900	82	5050			0.00 A	--	--	--	--		--		--	--	--	--	--

TABLE D-5 (CONTINUED)

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

DATE TIME	TEMP EC	SAMP LAB	F-PH L-PH	DO G.H.	DISCHARGE MBAS	T+L CHLOR	O+G COLOR	SET S ML/L MG/L	BOD SUS S	COD V SUS S	CYANIDE PHENOLS	TOC DOC	IODIDE T ODOR	BROMIDE SULFITE	T SULF D SULF
	G7 L 900.5 956.9 LAKE TAHOE AT ZEPHYR COVE (L-8)														
5/03/72	45.8F	5050	7.5	9.7		--	--	--	--	--	--	--	--	--	--
0955	89	5050			0.00 A	--	--	--	--	--	--	--	--	--	--
8/02/72	65.9F	5050	7.7	7.6		--	--	--	--	--	--	--	--	--	--
0920	90	5050			0.00 A	--	--	--	--	--	--	--	--	--	--
	G7 L 900.9 006.8 LAKE TAHOE AT RUBICON BAY (L-2)														
5/03/72	49.4F	5050	7.6	9.6		--	--	--	--	--	--	--	--	--	--
1220	91	5050			0.00 A	--	--	--	--	--	--	--	--	--	--
8/02/72	66.6F	5050	7.8	7.7		--	--	--	--	--	--	--	--	--	--
1125	91	5050			0.01 A	--	--	--	--	--	--	--	--	--	--
	G7 L 900.9 006.8 2 LAKE TAHOE AT RUBICON BAY PIER (S-2)														
5/03/72	8.0C	5050	7.4	9.7		--	--	--	--	--	--	--	--	--	--
1230	99	5050			0.00 A	--	--	--	--	--	--	--	--	--	--
8/02/72	19.7C	5050	7.7	7.4		--	--	--	--	--	--	--	--	--	--
1240	84	5050			0.01 A	--	--	--	--	--	--	--	--	--	--
	G7 L 902.3 007.2 LAKE TAHOE AT MEEKS BAY RESORT PIER (S-12)														
5/10/72	6.5C	5050	7.5	9.8		--	--	--	--	--	--	--	--	--	--
0800	92	5050			0.00 A	--	--	--	--	--	--	--	--	--	--
8/09/72	19.4C	5050	7.7	7.3		--	--	--	--	--	--	--	--	--	--
0810	88	5050			0.00 A	--	--	--	--	--	--	--	--	--	--
	G7 L 904.5 008.4 2 LAKE TAHOE AT CHAMBERS LANDING PIER (S-9)														
5/03/72	7.0C	5050	7.4	9.8		--	--	--	--	--	--	--	--	--	--
1315	101	5050			0.00 A	--	--	--	--	--	--	--	--	--	--
8/02/72	19.2C	5050	7.7	7.6		--	--	--	--	--	--	--	--	--	--
1315	90	5050			0.00 A	--	--	--	--	--	--	--	--	--	--
	G7 L 905.3 956.4 LAKE TAHOE AT GLENBROOK BAY PIER (S-3)														
5/10/72	51.3F	5050	7.5	9.5		--	--	--	--	--	--	--	--	--	--
1305	92	5050			0.00 A	--	--	--	--	--	--	--	--	--	--
8/09/72	21.5C	5050	7.7	7.2		--	--	--	--	--	--	--	--	--	--
1355	92	5050			0.00 A	--	--	--	--	--	--	--	--	--	--
	G7 L 907.8 009.2 LAKE TAHOE AT WARD CREEK PIER (S-11)														
5/10/72	7.5C	5050	7.4	10.1		--	--	--	--	--	--	--	--	--	--
1020	74	5050			0.00 A	--	--	--	--	--	--	--	--	--	--
8/09/72	19.3C	5050	7.8	7.4		--	--	--	--	--	--	--	--	--	--
0945	90	5050			0.00 A	--	--	--	--	--	--	--	--	--	--
	G7 L 908.7 000.3 LAKE TAHOE - NORTH CENTER (C-2)														
5/03/72	46.2F	5050	7.6	9.8		--	--	--	--	--	--	--	--	--	--
0855	89	5050			0.00 A	--	--	--	--	--	--	--	--	--	--
8/02/72	64.9F	5050	7.8	7.8		--	--	--	--	--	--	--	--	--	--
0840	90	5050			0.01 A	--	--	--	--	--	--	--	--	--	--
	G7 L 910.8 007.1 2 LAKE TAHOE AT US COAST GUARD PIER (S-5)														
5/10/72	47.4F	5050	7.5	9.9		--	--	--	--	--	--	--	--	--	--
1210	91	5050			0.00 A	--	--	--	--	--	--	--	--	--	--
8/09/72	68.9F	5050	7.8	7.5		--	--	--	--	--	--	--	--	--	--
1155	92	5050			0.00 A	--	--	--	--	--	--	--	--	--	--
	G7 L 914.2 002.2 LAKE TAHOE AT TAHOE VISTA (L-7)														
5/03/72	45.9F	5050	7.8	9.0		--	--	--	--	--	--	--	--	--	--
0745	90	5050			0.00 A	--	--	--	--	--	--	--	--	--	--
8/02/72	64.8F	5050	7.7	7.8		--	--	--	--	--	--	--	--	--	--
0740	90	5050			0.00 A	--	--	--	--	--	--	--	--	--	--
	G7 L 914.2 002.3 LAKE TAHOE AT KINGS BEACH PIER (S-7)														
5/03/72	7.5C	5050	7.4	9.9		--	--	--	--	--	--	--	--	--	--
0745	95	5050			0.00 A	--	--	--	--	--	--	--	--	--	--
8/02/72	18.0C	5050	7.7	7.4		--	--	--	--	--	--	--	--	--	--
0730	90	5050			0.00 A	--	--	--	--	--	--	--	--	--	--
	G7 L 914.2 956.6 LAKE TAHOE AT KINGS CASTLE PIER (S-4)														
5/03/72	7.5C	5050	7.3	9.6		--	--	--	--	--	--	--	--	--	--
0830	96	5050			0.00 A	--	--	--	--	--	--	--	--	--	--
8/02/72	19.5C	5050	7.7	7.3		--	--	--	--	--	--	--	--	--	--
0810	80	5050			0.00 A	--	--	--	--	--	--	--	--	--	--
	G7 L 914.3 956.8 LAKE TAHOE AT INCLINE GUARD STATION (L-4)														
5/03/72	46.0F	5050	7.6	9.8		--	--	--	--	--	--	--	--	--	--
0820		5050			0.00 A	--	--	--	--	--	--	--	--	--	--
8/02/72	66.9F	5050	7.7	7.6		--	--	--	--	--	--	--	--	--	--
0810	90	5050			0.00 A	--	--	--	--	--	--	--	--	--	--
	G7 3020.01 BURTON CREEK IN STAR HARBOR (T-8)														
5/10/72	42.4F	5050	7.3	10.1	7 E	--	--	--	--	--	--	--	--	--	--
1135	55	5050			0.00 A	--	--	--	--	--	--	--	--	--	--
8/09/72	64.2F	5050	7.8	8.7		--	--	--	--	--	--	--	--	--	--
1125	99	5050			0.00 A	--	--	--	--	--	--	--	--	--	--

TABLE D-5 (CONTINUED)

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

DATE TIME	TEMP EC	SAMP LAB	F-PH L-PH	DO G.M.	DISCHARGE M8AS	T+L CHLOR	O+G COLOR	SET S ML/L MG/L	BOD SUS S	COD V SUS S	CYANIDE PHENOLS	TOC DOC	IODIDE T ODOR	BROMIDE SULFITE	T SULF D SULF
	G7	3050.01			WARD CREEK NEAR MOUTH (T-5)										
5/10/72	42.6F	5050	7.3	10.1	60 E	--	--	--	--	--	--	--	--	--	--
1015	38	5050			0.00 A	--	--	--	--	--	--	--	--	--	--
8/09/72	17.3C	5050	7.6	7.5	5 E	--	--	--	--	--	--	--	--	--	--
0920	79	5050			0.00 A	--	--	--	--	--	--	--	--	--	--
	G7	3160.01			MADDEN CREEK NEAR MOUTH (T-10)										
5/10/72	39.6F	5050	7.3	10.4	20 E	--	--	--	--	--	--	--	--	--	--
0935	40	5050			0.00 A	--	--	--	--	--	--	--	--	--	--
8/09/72	58.7F	5050	7.2	7.9	1 E	--	--	--	--	--	--	--	--	--	--
1035	48	5050			0.00 A	--	--	--	--	--	--	--	--	--	--
	G7	3230.01			THIRD CREEK NEAR MOUTH (T-6)										
5/10/72	8.5C	5050	7.1	9.5	8 E	--	--	--	--	--	--	--	--	--	--
1205	44	5050			0.00 A	--	--	--	--	--	--	--	--	--	--
8/09/72	20.5C	5050	7.5	7.0	3 E	--	--	--	--	--	--	--	--	--	--
1200	72	5050			0.01 A	--	--	--	--	--	--	--	--	--	--
	G7	3253.01			INCLINE CREEK AT INCLINE VILLAGE (T-2)										
5/10/72	7.5C	5050	7.3	9.5	8 E	--	--	--	--	--	--	--	--	--	--
1225	44	5050			0.00 A	--	--	--	--	--	--	--	--	--	--
8/09/72	19.5C	5050	7.8	7.3		--	--	--	--	--	--	--	--	--	--
1215	68	5050			0.00 A	--	--	--	--	--	--	--	--	--	--
	G7	3300.01			GENERAL CREEK NEAR MEEKS BAY (T-3)										
5/10/72	2.5C	5050	6.8	11.0	15 E	--	--	--	--	--	--	--	--	--	--
0830	13	5050			0.01 A	--	--	--	--	--	--	--	--	--	--
8/09/72	13.0C	5050	7.3	8.0	3 E	--	--	--	--	--	--	--	--	--	--
0840	60	5050			0.00 A	--	--	--	--	--	--	--	--	--	--
	G7	3571.01			TAYLOR CREEK NEAR CAMP RICHARDSON (T-4)										
5/10/72	40.9F	5050	7.1	9.8	160 E	--	--	--	--	--	--	--	--	--	--
0830	22	5050			0.00 A	--	--	--	--	--	--	--	--	--	--
8/09/72	66.6F	5050	7.0	7.3	6 E	--	--	--	--	--	--	--	--	--	--
0915	25	5050			0.00 A	--	--	--	--	--	--	--	--	--	--
	G7	3679.90			EDGEWOOD CREEK AT MOUTH (T-7A)										
8/09/72	66.3F	5050	8.9	4.3	2 E	--	--	--	--	--	--	--	--	--	--
0720	113	5050			0.02 A	--	--	--	--	--	--	--	--	--	--
	G7	3680.00			EDGEWOOD CREEK AT HIGHWAY 50 (T-7)										
5/10/72	39.8F	5050	7.3	10.3	6 E	--	--	--	--	--	--	--	--	--	--
0705		5050			0.00 A	--	--	--	--	--	--	--	--	--	--
8/09/72	50.3F	5050	7.3	8.7	2 E	--	--	--	--	--	--	--	--	--	--
0805	97	5050			0.00 A	--	--	--	--	--	--	--	--	--	--
	G7	3705.01			UPPER TRUCKEE RIVER NEAR MOUTH (T-1)										
5/10/72	2.5C	5050	6.8	9.8	35 E	--	--	--	--	--	--	--	--	--	--
0655	30	5050			0.01 A	--	--	--	--	--	--	--	--	--	--
8/09/72	18.0C	5050	7.3	6.0	10 E	--	--	--	--	--	--	--	--	--	--
0700	70	5050			0.00 A	--	--	--	--	--	--	--	--	--	--
	G7	3810.01			TROUT CREEK NEAR MOUTH (T-9)										
5/10/72	38.4F	5050	7.1	10.4	55 E	--	--	--	--	--	--	--	--	--	--
0745	45	5050			0.01 A	--	--	--	--	--	--	--	--	--	--
8/09/72	57.0F	5050	7.2	8.3	20 E	--	--	--	--	--	--	--	--	--	--
0840	48	5050			0.01 A	--	--	--	--	--	--	--	--	--	--

TABLE D-6

NUTRIENT ANALYSIS OF SURFACE WATER

Lab and Sampler Agency Codes

5000	-	U. S. Geological Survey
5001	-	U. S. Bureau of Reclamation
5002	-	U. S. Army, Corps of Engineers
5006	-	McClellan Air Force Base Laboratory
5050	-	Department of Water Resources

Abbreviations

TIME	-	Pacific Standard Time on a 24-hour clock
G.H.	-	Instantaneous gage height in feet above an established datum
Q	-	Instantaneous discharge in cubic feet per second
TEMP	-	Water temperature at time of sampling in degrees Fahrenheit (F) and Celsius (C)
TURB	-	Jackson Turbidity Units measured with a Hellege Turbidmeter (E) or a Hach Nephelometer (A)
CO2	-	Field determination of carbon dioxide in milligrams per liter
ALK.	-	Field determination of alkalinity as calcium carbonate in milligrams per liter
PH	-	Measure of acidity (<7) or alkalinity (>7) of water
EC	-	Electrical conductance in micromhos at 25° C
HCO3	-	Bicarbonate in milligrams per liter
CO3	-	Carbonate in milligrams per liter

Nitrogen Series as N

NO2	-	Unfiltered nitrite
NH3	-	Unfiltered ammonia
NO3	-	Unfiltered nitrate
ORG N	-	Organic nitrogen
DIS ORG N	-	Dissolved organic nitrogen
NH3 + ORG N	-	Ammonia plus organic nitrogen

Phosphorus Series as P

DIS A.H.PO4	-	Dissolved acid hydrolyzable phosphate
D O-PO4	-	Dissolved orthophosphate
T O-PO4	-	Total orthophosphate
D TOT P	-	Dissolved total phosphorus
TOT P	-	Total phosphorus

TABLE D-6 (CONTINUED)

NUTRIENT ANALYSIS OF SURFACE WATER

DATE / TIME	SAMP / LAB	G.H. / Q	TEMP / TURB	FIELD CO2 ALK.	FIELD LABORATORY PH	FIELD LABORATORY EC	LAB HCO3 CO3	ND2 NH3	NUTRIENT CONSTITUENTS IN MILLIGRAMS PER LITER NO3 ORG N	DIS ORG N	NH3 + ORG N	DIS A.M.PO4	D O-PO4 T O-PO4	D TOT P TOT P
	AO V 836.3 128.4		NATOMAS EAST MAIN DRAIN AT SACRAMENTO											
4/03/72	5050		59 F		7.1	280		--	1.8				2.1	--
0950	5050	20	6A		7.0	298		--	--	--	4.2	--	--	2.1
7/26/72	5050		68 F		7.1	350		--	1.6				0.88	--
0700	5050	25 E	4A			384		--	--	--	2.2	--	--	2.5
9/19/72	5050		68 F		7.1	350		--	1.9				3.1	--
0730	5050	30 E	7A		7.2	390		--	--	--	2.4	--	--	3.4
	AO V 836.4 131.4		NATOMAS MAIN DRAIN TO SACRAMENTO RIVER											
4/03/72	5050		61 F		7.6	260		--	0.38				0.49	--
1045	5050		12A		7.7	284		--	--	--	1.8	--	--	0.52
7/26/72	5050		71 F		7.4	460		--	0.46				0.19	--
1045	5050		21A		7.8	517		--	--	--	1.4	--	--	0.29
9/19/72	5050		65 F		7.3	440		--	0.06				0.14	--
0750	5050		23A		7.5	484		--	--	--	0.7	--	--	0.16
	AO V 847.4 135.8		R-D 1001 DRAINAGE TO NATOMAS CROSS CANAL											
4/03/72	5050		64 F		7.4	650		--	0.18				0.07	--
1200	5050		40A		7.5	776		--	--	--	0.9	--	--	0.20
7/26/72	5050		73 F		7.5	410		--	0.38				0.13	--
0830	5050		30A		7.6	468		--	--	--	1.2	--	--	0.23
9/19/72	5050		76 F		7.3	340		--	0.21				0.10	--
1200	5050		22A		7.4	372		--	--	--	0.7	--	--	0.14
	AO 2112.00		SACRAMENTO RIVER AT ELKHORN FERRY											
10/20/71	5050		57 F		7.4	115		--	0.07				0.02	--
1100	5050		10E			118		--	--	--	0.1	--	--	0.04
11/17/71	5050		49.0F		7.3	118		--	0.10				0.02	--
1320	5050		9E			120		--	--	--	0.2	--	--	0.04
12/15/71	5050		45 F		7.4	113		--	0.12				0.02	--
0915	5050		11E			116		--	--	--	0.3	--	--	0.03
1/26/72	5050		46 F		7.4	117		--	0.14				0.02	--
1100	5050		120E			120		--	--	--	0.4	--	--	0.15
2/16/72	5050		48 F		7.3	130		--	0.14				0.02	--
0920	5050		9A			133		--	--	--	0.1	--	--	0.04
3/15/72	5050		56 F		7.3	118		--	0.08				0.02	--
0915	5050		15A			124		--	--	--	0.2	--	--	0.09
4/03/72	5050		59 F		7.4	145		--	0.11				0.03	--
1125	5050		13A			157		--	--	--	0.2	--	--	0.08
5/17/72	5050		68 F		7.4	175		--	0.09				0.05	--
0730	5050		13A			186		--	--	--	0.3	--	--	0.11
6/21/72	5050		71 F		7.5	143		--	0.05				0.01	--
1200	5050		11A			136		--	--	--	0.3	--	--	0.08
7/26/72	5050		71 F		7.7	120		--	0.01				0.02	--
0800	5050		6A		7.7	125		--	--	--	0.2	--	--	0.07
8/16/72	5050		67 F		7.5	112		--	0.02				0.01	--
0755	5050							--	--	--	0.2	--	--	0.06
9/19/72	5050		63 F		7.5	153		--	0.07				0.03	--
1240	5050		6A		7.5	162		--	--	--	0.2	--	--	0.05
	AO 2170.00		SACRAMENTO RIVER AT FREMONT WEIR, WEST END											
10/20/71	5050	16.15	57 F		7.5	148	76	--	0.18				0.04	--
0845	5050		35E		7.6	154	0	--	--	--	0.2	--	--	0.06
11/17/71	5050	16.9	50.5F		7.5	164	77	--	0.16				0.04	--
1115	5050		12E		7.6	160	0	--	--	--	0.2	--	--	0.07
12/15/71	5050	18.82	45 F		7.5	160	80	--	0.22				0.03	--
1000	5050		35E		7.8	162	0	--	--	--	0.2	--	--	0.07
1/26/72	5050	21.17	46 F		7.4	110	51	--	0.29				0.01	--
1115	5050		120E		7.2	112	0	--	--	--	0.6	--	--	0.25
2/16/72	5050	17.94	48 F		7.5	165	83	--	0.19				0.03	--
1020	5050		25A		7.6	171	0	--	--	--	0.2	--	--	0.10
3/15/72	5050	22.77	53 F		7.3	123	66	--	0.13				0.02	--
1030	5050		22A		7.6	131	0	--	--	--	0.2	--	--	0.17
4/03/72	5050	15.94	58.5F		7.5	160	78	--	0.16				0.03	--
1400	5050		13A		7.6	160	0	--	--	--	0.2	--	--	0.06
5/17/72	5050	16.32	66 F		7.6	190	92	--	0.06				0.05	--
0915	5050		14A		7.8	214	0	--	--	--	0.4	--	--	0.13
6/21/72	5050	16.12	68 F		7.7	192	74	--	0.10				0.02	--
0745	5050		12A		7.0	158	0	--	--	--	0.2	--	--	0.10
7/26/72	5050	16.65	70 F		7.5	165	87	--	0.11				0.03	--
1200	5050		12A		7.3	186	0	--	--	--	0.3	--	--	0.07
8/16/72	5050	16.26	67.5F		7.6	175		--	0.05				0.03	--
0955	5050					195		--	--	--	0.2	--	--	0.08
9/19/72	5050	17.04	66 F		7.5	209	109	--	0.09				0.04	--
0945	5050		11A		7.6	256	0	--	--	--	0.2	--	--	0.08

TABLE D-6 (CONTINUED)

NUTRIENT ANALYSIS OF SURFACE WATER

DATE / TIME	SAMP / LAB	G.H. / Q	TEMP / TURB	FIELD CO2 / ALK.	FIELD LABORATORY PH	FIELD LABORATORY EC	LAB HCO3 / CO3	NUTRIENT CONSTITUENTS IN MILLIGRAMS PER LITER NO2 / NH3	NO3 / ORG N	DIS ORG N	NH3 + ORG N	DIS A.M.PO4	D O-PO4 / T O-PO4	D TOT P / TOT P
	A0 2230.02		SACRAMENTO RIVER ABOVE COLUSA BASIN DRAIN											
10/27/71	5050	18.16	13.0C		7.4	130		--	0.12				0.02	--
1400	5000							--	--	--	0.2	--	--	0.04
11/23/71	5050	19.60	11.0C		7.3			--	0.14				0.03	--
1400	5050							--	--	--	0.2	--	--	0.05
12/20/71	5050	20.11	7.2C		7.6			--	0.18				0.02	--
1345	5050							--	--	--	0.2	--	--	0.05
1/17/72	5050	18.23	7.5C		7.3			--	0.22				0.02	--
1345	5050							--	--	--	0.1	--	--	0.05
2/10/72	5050	23.75	9.2C		7.4			--	0.20				0.02	--
1405	5050							--	--	--	0.2	--	--	0.05
3/15/72	5050	26.26	12.0C		7.4	153		--	0.15				0.03	--
1345	5050							--	--	--	0.2	--	--	0.09
4/03/72	5050	18.39	15.5C		7.4	145		--	0.10				0.02	--
1415	5050							--	--	--	0.2	--	--	0.06
5/09/72	5050	19.24	16.5C		7.5	114		--	0.03				0.02	--
1430	5050							--	--	--	0.2	--	--	0.04
6/12/72	5050	18.52	17.5C		7.5	135		--	0.12				0.02	--
1320	5050							--	--	--	0.2	--	--	0.07
7/26/72	5050	18.37	21.0C		7.6			--	0.08				0.03	--
1245	5050							--	--	--	0.2	--	--	0.06
8/15/72	5050	17.65	20.0C		7.6			--	0.04				0.04	--
1200	5050							--	--	--	0.2	--	--	0.12
9/19/72	5050	18.74	19 C		7.5			--	0.07				0.03	--
1315	5050							--	--	--	0.2	--	--	0.04
	A0 2420.00		SACRAMENTO RIVER AT COLUSA											
3/15/72	5050	51.83	11.1C		7.7	153		--	0.15				0.02	--
0900	5050	18900						--	--	--	0.2	--	--	0.10
4/03/72	5050	43.49	14.0C		7.4	153		--	0.12				0.02	--
0915	5050	8290						--	--	--	0.1	--	--	0.04
7/26/72	5050	43.71	18.0C		7.6			--	0.06				0.02	--
0835	5050	8550						--	--	--	0.1	--	--	0.04
9/19/72	5050	41.96	16.5C		7.5			--	0.09				0.02	--
0915	5050	6560						--	--	--	0.2	--	--	0.04
	A0 2905.00		YOLO BYPASS BELOW SACRAMENTO BYPASS											
4/03/72	5050	10.13	69 F		8.2	1300		--	0.00				0.08	--
1515	5050		54A		8.3	1550		--	--	--	1.0	--	--	0.19
7/26/72	5050	9.92	71 F		8.1	550		--	0.14				0.06	--
1330	5050		87A		7.8	648		--	--	--	1.6	--	--	0.18
9/19/72	5050	10.22	64 F		8.1	560		--	0.03				0.06	--
0840	5050		70A		7.5	629		--	--	--	1.3	--	--	0.26
	A0 2925.00		SACRAMENTO SLOUGH AT SACRAMENTO RIVER											
10/27/71	5050		14.0C		7.6	265		--	0.05				0.17	--
1330	5050							--	--	--	0.4	--	--	0.20
11/23/71	5050		10.1C		7.4			--	0.22				0.14	--
1150	5050							--	--	--	0.6	--	--	0.20
12/20/71	5050		5.5C		7.8			--	0.13				0.09	--
1115	5050							--	--	--	0.4	--	--	0.14
1/17/72	5050		5.8C		7.8			--	0.20				0.15	--
1145	5050							--	--	--	0.4	--	--	0.20
2/10/72	5050		9.5C		7.6			--	0.29				0.09	--
1130	5050							--	--	--	0.5	--	--	0.16
3/15/72	5050		17.0C		7.8	457		--	0.02				0.08	--
1125	5050							--	--	--	0.4	--	--	0.16
4/03/72	5050		19.0C		7.8	252		--	0.08				0.06	--
1145	5050							--	--	--	0.6	--	--	0.15
5/09/72	5050		17.8C		7.4	379		--	0.14				0.09	--
1200	5050							--	--	--	0.6	--	--	0.17
6/12/72	5050		21.0C		7.3	462		--	0.20				0.10	--
1030	5050							--	--	--	0.9	--	--	0.16
7/26/72	5050		24.0C		7.5			--	0.12				0.11	--
1215	5050							--	--	--	0.6	--	--	0.18
8/15/72	5050		21 C		7.5	485		--	0.05				0.11	--
1130	5050							--	--	--	0.1	--	--	0.18
9/19/72	5050		20 C		7.5			--	0.15				0.10	--
1235	5050							--	--	--	0.4	--	--	0.16
	A0 2926.00		R-D 1500 DRAINAGE TO SACRAMENTO SLOUGH											
3/15/72	5050	13.53	17.0C		8.1	1301		--	0.02				0.19	--
1145	5050							--	--	--	0.4	--	--	0.24
4/03/72	5050	14.66	17.5C		7.7			--	0.23				0.11	--
1215	5050							--	--	--	0.5	--	--	0.17
7/26/72	5050	15.63	25.0C		7.4			--	0.11				0.10	--
1150	5050							--	--	--	0.5	--	--	0.20

TABLE D-6 (CONTINUED)

NUTRIENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB	G.H. Q	TEMP TUR8	FIELD CO2 ALK.	FIELD LABORATORY PH	FIELD LABORATORY EC	LAB HCO3 CO3	NUTRIENT CONSTITUENTS IN MILLIGRAMS PER LITER NO2 NH3	NO3 ORG N	DIS ORG N	NH3 + ORG N	DIS A.M.PO4	D O-PO4 T O-PO4	D TOT P TOT P
	A0 2926.00			R-D 1500 DRAINAGE TO SACRAMENTO SLOUGH							CONTINUED			
9/19/72	5050	12.17	19 C		7.4			--	0.13				0.12	--
1225	5050							--	--	--	0.4	--	--	0.19
	A0 2933.00			R-D 108 DRAINAGE TO SACRAMENTO RIVER										
10/27/71	5050		12.5C		8.1	638		--	0.01				0.23	--
1515	5050							--	--	--	0.6	--	--	0.23
11/23/71	5050		10.0C		7.7			--	0.11				0.19	--
1310	5050							--	--	--	0.6	--	--	0.22
12/20/71	5050		7.0C		8.0			--	0.08				0.23	--
1245	5050							--	--	--	0.8	--	--	0.34
1/17/72	5050		6.0C		8.0			--	0.08				0.25	--
1250	5050							--	--	--	0.4	--	--	0.31
2/10/72	5050		10.0C		7.9			--	0.11				0.24	--
1315	5050							--	--	--	0.3	--	--	0.26
3/15/72	5050		17.0C		7.4	406		--	0.79				0.22	--
1300	5050							--	--	--	0.5	--	--	0.30
4/03/72	5050		21.5C		8.1	557		--	0.10				0.09	--
1340	5050							--	--	--	1.5	--	--	0.28
5/09/72	5050		18.0C		7.4	422		--	0.07				0.12	--
1330	5050							--	--	--	0.8	--	--	0.24
6/12/72	5050		22.0C		7.5	510		--	0.14				0.11	--
1215	5050	6 E						--	--	--	1.0	--	--	0.19
7/26/72	5050		23.0C		7.3			--	0.19				0.12	--
1400	5050							--	--	--	0.6	--	--	0.16
8/15/72	5050		23 C		7.4	577		--	0.04				0.21	--
1300	5050							--	--	--	0.7	--	--	0.26
9/19/72	5050		20 C		7.5			--	0.00				0.17	--
1410	5050							--	--	--	0.7	--	--	0.21
	A0 2947.10			COLUSA BASIN DRAIN NEAR KNIGHTS LANDING										
10/27/71	5050	24.00	13.0C		8.2	621		--	0.22				0.13	--
1445	5050							--	--	--	0.7	--	--	0.20
11/23/71	5050	24.53	9.8C		8.0			--	0.11				0.12	--
1240	5050							--	--	--	0.6	--	--	0.19
12/20/71	5050		5.5C		8.1	877		--	0.18				0.12	--
1215	5050							--	--	--	0.6	--	--	0.20
1/17/72	5050		5.9C		8.1			--	0.12				0.11	--
1230	5050							--	--	--	0.7	--	--	0.19
2/10/72	5050	24.08	11.0C		8.1			--	0.25				0.10	--
1240	5050							--	--	--	0.8	--	--	0.16
2/22/72	5050		12.0C		7.6			--	0.46				0.10	--
1345	5050							--	--	--	0.8	--	--	0.19
3/15/72	5050	25.56	19.0C		8.1	1542		--	0.01				0.12	--
1230	5050							--	--	--	0.8	--	--	0.20
4/03/72	5050		17.5C		7.8	420		--	0.49				0.10	--
1305	5050							--	--	--	0.7	--	--	0.22
5/09/72	5050		18.0C		7.6	433		--	0.14				0.10	--
1245	5050							--	--	--	1.1	--	--	0.29
6/12/72	5050	24.52	21.5C		7.9	654		--	0.28				0.17	--
1130	5050							--	--	--	1.0	--	--	0.24
7/26/72	5050	24.51	26.0C		7.9			--	0.48				0.08	--
1330	5050							--	--	--	0.8	--	--	0.16
8/15/72	5050	24.51	22 C		8.0	598		--	0.23				0.08	--
1230	5050							--	--	--	0.6	--	--	0.16
9/19/72	5050	24.50	20 C		7.7			--	0.25				0.08	--
1335	5050							--	--	--	0.5	--	--	0.12
	A0 2950.00			R-D 787 DRAINAGE TO COLUSA BASIN DRAIN										
10/27/71	5050	19.40	14.0C		8.2	731		--	0.00				0.12	--
1420	5050							--	--	--	0.9	--	--	0.20
11/23/71	5050	19.38	10.0C		8.0			--	0.00				0.07	--
1230	5050							--	--	--	0.8	--	--	0.17
12/20/71	5050	19.40	5.2C		8.1			--	0.04				0.11	--
1200	5050							--	--	--	0.6	--	--	0.18
1/17/72	5050	19.83	5.5C		8.1			--	0.32				0.07	--
1210	5050							--	--	--	1.0	--	--	0.16
2/10/72	5050	20.00	10.5C		8.1			--	0.00				0.04	--
1215	5050							--	--	--	0.6	--	--	0.12
3/15/72	5050	19.15	15.5C		7.7	491		--	0.01				0.04	--
1215	5050							--	--	--	0.7	--	--	0.17
4/03/72	5050	20.00	18.0C		8.0	882		--	0.00				0.10	--
1255	5050							--	--	--	0.8	--	--	0.21
5/09/72	5050	20.60	20.0C		7.6	409		--	0.01				0.07	--
1235	5050							--	--	--	0.4	--	--	0.18
6/12/72	5050	20.40	21.5C		7.9	506		--	0.03				0.29	--
1125	5050	0						--	--	--	1.1	--	--	0.48

TABLE D-6 (CONTINUED)

NUTRIENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB	G.H. O	TEMP TURB	FIELD CO2 ALK.	FIELD LABORATORY PH	EC	LAB HCO3 CO3	NUTRIENT CONSTITUENTS IN MILLIGRAMS PER LITER NO2 NH3	NO3 ORG N	DIS ORG N	NH3 + ORG N	DIS A.M.PO4	D O-PO4 T O-PO4	D TOT P TOT P
	A0 2950.00			R-D 787 DRAINAGE TO COLUSA BASIN DRAIN							CONTINUED			
7/26/72	5050	20.5	22.0C		8.2			--	0.06				0.41	--
1310	5050							--	--	--	1.5	--	--	0.58
8/15/72	5050	20.5	20.0C		7.8			--	0.01				0.25	--
1215	5050							--	--	--	1.6	--	--	0.75
9/19/72	5050	20.6	19 C		7.4			--	0.00				0.08	--
1325	5050							--	--	--	1.1	--	--	0.17
	A0 2955.00			R-D 787 DRAINAGE TO SACRAMENTO RIVER										
11/23/71	5050	19.72	8.8C		7.9			--	0.01				0.23	--
1330	5050							--	--	--	0.6	--	--	0.35
12/20/71	5050	19.75	6.5C		7.8			--	0.05				0.13	--
1330	5050							--	--	--	0.4	--	--	0.19
1/17/72	5050	18.90	5.9C		7.6			--	0.04				0.16	--
1315	5050							--	--	--	0.3	--	--	0.20
2/10/72	5050	19.00	10.8C		7.6			--	0.15				0.10	--
1340	5050							--	--	--	0.3	--	--	0.14
3/15/72	5050	19.35	19.0C		7.4	339		--	0.18				0.11	--
1320	5050							--	--	--	0.4	--	--	0.17
4/03/72	5050		17.5C		7.7	651		--	0.54				0.12	--
1400	5050							--	--	--	1.7	--	--	0.35
5/09/72	5050	19.60	19.0C		7.2	393		--	0.11				0.10	--
1400	5050							--	--	--	1.2	--	--	0.27
6/12/72	5050	19.90	22.0C		7.3	468		--	0.40				0.21	--
1245	5050	0						--	--	--	1.2	--	--	0.29
7/26/72	5050		25.0C		7.2			--	0.49				0.10	--
1425	5050							--	--	--	0.9	--	--	0.18
8/15/72	5050	20.1	20.5C		7.3			--	0.07				0.12	--
1330	5050							--	--	--	0.6	--	--	0.24
9/19/72	5050	20.4	20 C		7.3			--	0.07				0.15	--
1430	5050							--	--	--	0.8	--	--	0.21
	A0 2963.00			R-D 1660 DRAINAGE TO TISDALE BYPASS										
3/15/72	5050		16.0C		8.1	239		--	0.03				0.06	--
1020	5050							--	--	--	0.6	--	--	0.13
4/03/72	5050		18.0C		7.8	218		--	0.04				0.04	--
1100	5050							--	--	--	0.6	--	--	0.11
7/26/72	5050		25.0C		7.6			--	0.06				0.08	--
1010	5050							--	--	--	0.8	--	--	0.17
9/19/72	5050		20 C		7.7			--	0.03				0.12	--
1100	5050							--	--	--	0.6	--	--	0.24
	A0 2965.00			R-D 70 DRAINAGE TO SACRAMENTO RIVER										
10/27/71	5050	32.00	14.0C		8.2	968		--	0.00				0.25	--
1230	5050							--	--	--	0.6	--	--	0.29
11/23/71	5050		9.0C		8.1			--	0.00				0.12	--
1050	5050							--	--	--	0.5	--	--	0.17
12/20/71	5050		6.0C		8.0			--	0.07				0.10	--
1010	5050							--	--	--	0.5	--	--	0.17
1/17/72	5050		5.0C		8.3			--	0.01				0.07	--
1030	5050							--	--	--	0.6	--	--	0.14
2/10/72	5050	36.50	9.5C		7.3			--	0.17				0.08	--
1030	5050							--	--	--	0.6	--	--	0.18
3/15/72	5050		15.8C		7.6	538		--	0.05				0.09	--
1000	5050							--	--	--	0.6	--	--	0.15
4/03/72	5050	33.50	17.2C		7.6	596		--	0.04				0.07	--
1035	5050							--	--	--	0.6	--	--	0.14
5/09/72	5050	34.20	18.0C		7.8	476		--	0.01				0.15	--
1015	5050							--	--	--	0.6	--	--	0.21
6/12/72	5050		20.5C		7.5	631		--	0.12				0.11	--
0930	5050							--	--	--	0.7	--	--	0.17
7/26/72	5050	34.0	24.0C		7.6			--	0.19				0.08	--
0950	5050							--	--	--	0.7	--	--	0.18
8/15/72	5050	33.7	20.0C		7.4			--	0.12				0.16	--
0905	5050							--	--	--	0.7	--	--	0.26
9/19/72	5050	33.6	19 C		7.9			--	0.07				0.14	--
1040	5050							--	--	--	0.7	--	--	0.22
	A0 2972.00			BUTTE SLOUGH NEAR MERIDIAN										
10/27/71	5050	40.12	13.0C		7.1	212		--	0.01				0.06	--
1145	5050							--	--	--	0.5	--	--	0.13
11/23/71	5050	41.31	9.5C		7.1			--	0.00				0.03	--
1030	5050							--	--	--	0.4	--	--	0.08
12/20/71	5050	40.70	5.0C		7.3			--	0.07				0.03	--
0945	5050							--	--	--	0.4	--	--	0.09
1/17/72	5050	40.56	5.8C		7.3			--	0.00				0.02	--
1000	5050							--	--	--	0.4	--	--	0.07

TABLE D-6 (CONTINUED)

NUTRIENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB	G.H. Q	TEMP TURB	FIELD CO2 ALK.	FIELD LABORATORY PH	FIELD LABORATORY EC	LAB HCO3 CO3	NO2 NH3	NUTRIENT CONSTITUENTS IN MILLIGRAMS PER LITER NO3 ORG N	DIS ORG N	NH3 + ORG N	DIS A.H.PO4	D O-PO4 T O-PO4	D TOT P TOT P
	A0 2972.00		BUTTE SLOUGH NEAR MERIDIAN							CONTINUED				
2/10/72	5050	43.02	9.0C		7.3			--	0.18				0.05	--
1000	5050							--	--	--	0.5	--	--	0.10
3/15/72	5050	44.38	15.2C		7.2	173		--	0.00				0.03	--
0940	5050							--	--	--	0.4	--	--	0.10
4/03/72	5050		17.0C		7.2	146		--	0.08				0.08	--
1000	5050							--	--	--	0.4	--	--	0.10
5/09/72	5050	43.43	17.0C		7.3	241		--	0.10				0.04	--
0945	5050							--	--	--	0.6	--	--	0.10
6/12/72	5050	43.03	20.5C		7.4	283		--	0.30				0.10	--
0900	5050							--	--	--	0.6	--	--	0.11
7/26/72	5050	42.09	24.0C		7.4			--	0.29				0.08	--
0920	5050							--	--	--	0.5	--	--	0.10
8/15/72	5050	41.49	19.5C		7.4			--	0.06				0.06	--
0935	5050							--	--	--	0.5	--	--	0.12
9/19/72	5050	41.18	20 C		7.3			--	0.02				0.05	--
1015	5050							--	--	--	0.4	--	--	0.08
	A0 2976.00		COLUSA BASIN DRAIN AT HIGHWAY 20											
3/15/72	5050	37.98	15.0C		7.9	705		--	0.30				0.15	--
0825	5050							--	--	--	0.7	--	--	0.25
4/03/72	5050		16.5C		7.7	392		--	0.33				0.10	--
0830	5050							--	--	--	0.6	--	--	0.19
7/26/72	5050	40.90	21.5C		7.5			--	0.21				0.05	--
0805	5050							--	--	--	0.7	--	--	0.13
9/19/72	5050	42.14	17 C		7.5			--	0.13				0.08	--
0845	5050							--	--	--	0.4	--	--	0.13
	A0 5103.00		FEATHER RIVER AT NICOLAUS											
10/20/71	5050	23.84	56 F		7.3	81		--	0.02				0.01	--
1130	5050		6E			84		--	--	--	0.1	--	--	0.01
11/17/71	5050	24.52	50 F		7.3	80		--	0.03				0.02	--
1400	5050		7E			84		--	--	--	0.1	--	--	0.02
12/15/71	5050	25.76	45 F		7.4	83		--	0.04				0.01	--
0830	5050		8E			84		--	--	--	0.3	--	--	0.02
1/26/72	5050	23.97	44 F		7.4	91		--	0.06				0.00	--
0920	5050		6E			93		--	--	--	0.1	--	--	0.02
2/16/72	5050	23.62	47 F		7.3	94		--	0.05				0.01	--
0830	5050		5A			95		--	--	--	0.1	--	--	0.02
3/15/72	5050	23.21	56 F		7.3	88		--	0.14				0.00	--
0830	5050		5A			93		--	--	--	0.1	--	--	0.01
4/03/72	5050	22.27	64 F		7.4	97		--	0.00				0.01	--
1240	5050		2A			101		--	--	--	0.1	--	--	0.04
5/17/72	5050	22.15	66 F		7.4	91		--	0.06				0.01	--
0810	5050		4A			94		--	--	--	0.2	--	--	0.03
6/21/72	5050	23.27	70 F		7.5	95		--	0.02				0.00	--
0905	5050		6A			85		--	--	--	0.1	--	--	0.04
7/26/72	5050	24.17	71 F		7.5	79		--	0.00				0.01	--
0945	5050		4A			83		--	--	--	0.2	--	--	0.04
8/16/72	5050	24.63	67 F		7.4	84		--	0.02				0.00	--
0830	5050							--	--	--	0.2	--	--	0.03
9/19/72	5050	23.71	63 F		7.3	85		--	0.00				0.02	--
1130	5050		2A		7.3	91		--	--	--	0.1	--	--	0.02
	A1 1020.00		PIT RIVER NEAR MONTGOMERY CREEK											
5/16/72	5050		15.0C		7.9	133		--	0.01				0.03	--
1010	5050	8080						--	--	--	0.1	--	--	0.05
	A1 1680.00		PIT RIVER NEAR CANBY											
5/16/72	5050	3.11	15.0C		7.7	198		--	0.12				0.10	--
0745	5050	224						--	--	--	0.6	--	--	0.21
	A2 1010.00		SACRAMENTO RIVER AT KESWICK											
10/26/71	5050		12.0C		7.1	111		--	0.05				0.02	--
1000	5050	6000						--	--	--	0.1	--	--	0.03
11/22/71	5050		11.0C		7.1			--	0.11				0.02	--
1130	5050	7000						--	--	--	0.2	--	--	0.04
12/07/71	5050		10.0C		7.2	130		--	--				0.02	--
1100	5050	7000						--	--	--	0.1	--	--	0.03
1/06/72	5050		8.8C		7.3	123		--	0.08				0.02	--
1200	5000	7000						--	--	--	0.2	--	--	0.03
2/09/72	5050		7.5C		7.2	123		--	0.12				0.02	--
1115	5050	8000						--	--	--	0.1	--	--	0.03
3/13/72	5050		7.8C		8.1	125		--	0.14				0.03	--
1500	5050	14500						--	--	--	0.1	--	--	0.03
4/03/72	5050		8.0C		7.2	109		--	0.04				0.02	--
0640	5050	7500						--	--	--	0.1	--	--	0.02
5/08/72	5050		9.0C		7.2	112		--	0.08				0.02	--
1130	5050	11000						--	--	--	0.1	--	--	0.02

TABLE D-6 (CONTINUED)

NUTRIENT ANALYSIS OF SURFACE WATER

DATE / TIME	SAMP / LAB	G.H. / Q	TEMP / TURB	FIELD CO2 / ALK.	FIELD LABORATORY PH	EC	LAB HCO3 / CO3	NO2 / NH3	NUTRIENT CONSTITUENTS IN MILLIGRAMS PER LITER NO3 / ORG N	DIS ORG N	NH3 + ORG N	DIS A.M.PO4	D 0-504 / T 0-504	D TOT P / TOT P
	A2 1010.00			SACRAMENTO RIVER AT KESWICK							CONTINUED			
6/01/72	5050		10.0C		7.2	103		--	0.07				0.01	--
0850	5050	10500						--	--	--	0.0	--	--	0.02
7/26/72	5050		10.0C		7.2			--	0.10				0.02	--
0545	5050	11500						--	--	--	0.1	--	--	0.03
8/08/72	5050		11 C		7.3	99		--	0.05				0.01	--
0845	5050	10000						--	--	--	0.1	--	--	0.03
9/19/72	5050		11 C		7.1			--	0.05				0.02	--
0545	5050	9000						--	--	--	0.1	--	--	0.02
	A3 1110.00			STONY CREEK BELOW BLACK BUTTE DAM										
1/05/72	5050		6.9C		8.2	395		--	0.09				0.00	--
1400	5050	31						--	--	--	--	--	--	--
4/10/72	5050	3.29	13.9C		7.8			--	0.00				0.01	--
1015	5050	141						--	--	--	--	--	--	--
	A3 1250.00			STONY CREEK NEAR FRUTO										
11/02/71	5050		9.5C		8.2	384		--	0.05				0.00	--
1045	5050	237						--	--	--	--	--	--	--
12/06/71	5050		6.5C		7.6	224		--	0.05				0.02	--
1130	5050	254						--	--	--	--	--	--	--
1/05/72	5050		4.0C		7.9	410		--	--				0.01	--
1230	5050	68						--	--	--	--	--	--	--
2/08/72	5050		6.0C		7.6	305		--	0.02				0.02	--
1030	5050	194						--	--	--	--	--	--	--
3/01/72	5050		11.0C		7.7	136		--	0.05				0.00	--
1100	5050	789						--	--	--	--	--	--	--
4/10/72	5050		10.6C		7.9			--	0.00				0.01	--
1100	5050	329						--	--	--	--	--	--	--
	A3 1302.00			GRINDSTONE CREEK NEAR ELK CREEK										
1/05/72	5050	9.55	4.9C		7.7	304		--	0.09				0.01	--
1245	5050							--	--	--	--	--	--	--
3/01/72	5050	10.36	5.8C		7.7	126		--	0.05				0.00	--
1015	5050							--	--	--	--	--	--	--
5/18/72	5050	9.62	17.0C		7.8	195		--	--				0.00	--
0900	5050							--	--	--	--	--	--	--
	A3 2120.00			THOMES CREEK AT PASKENTA										
12/06/71	5050	3.06	5.0C		7.7	244		--	0.09				0.01	--
0915	5050	378						--	--	--	--	--	--	--
3/01/72	5050	5.64	5.0C		7.5	104		--	0.00				0.00	--
0915	5050	1010						--	--	--	--	--	--	--
5/18/72	5050	4.11	12.0C		7.7	156		--	0.00				0.00	--
0815	5050	140						--	--	--	--	--	--	--
7/20/72	5050	3.69	22.0C		8.1			--	0.00				0.00	--
0815	5050	9.8						--	--	--	--	--	--	--
	A6 1265.00			SQUIRREL CREEK NEAR PENN VALLEY										
9/29/72	5050	6.10	58 F		7.2	112	56	--	0.22				0.02	--
1015	5050		1A		7.5	118	0	--	--	--	0.2	--	--	0.04
	A8 L 857.0 239.6 1			CLEAR LAKE NEAR CLEARLAKE HIGHLANDS										
11/12/71	5050		12.0C		7.1	261		--	0.54				0.00	--
1115	5050							--	--	--	--	--	--	--
1/13/72	5050		6.8C		7.2	279		--	0.38				0.02	--
1100	5050							--	--	--	--	--	--	--
2/10/72	5050		7.5C		7.1	278		--	0.72				0.01	--
1115	5050							--	--	--	--	--	--	--
	A8 L 902.7 254.7 1			CLEAR LAKE AT LAKEPORT										
10/21/71	5050		16.5C		8.1	252		--	0.50				0.14	--
1330	5050							--	--	--	--	--	--	--
2/10/72	5050		7.0C		7.4	245		--	0.86				0.08	--
0910	5050							--	--	--	--	--	--	--
6/08/72	5050		20.0C		7.5	289		--	0.54				0.04	--
0740	5050							--	--	--	--	--	--	--
	A8 1250.00			BEAR CREEK NEAR RUMSEY										
10/21/71	5050	0.71	11.8C		8.3	4533		--	4.06				0.00	--
0930	5050	1.9						--	--	--	--	--	--	--
1/13/72	5050	1.07	4.5C		8.3	3020		--	3.16				0.01	--
1200	5050	2.9						--	--	--	--	--	--	--
2/10/72	5050	1.47	9.2C		8.2	1759		--	1.94				0.01	--
1230	5050	20.7						--	--	--	--	--	--	--
3/09/72	5050	1.13	14.5C		8.3	2500		--	2.26				0.01	--
1215	5050	8.5						--	--	--	--	--	--	--
5/04/72	5050	0.86	24.0C		8.4	3540		--	2.10				0.00	--
1345	5050	3.7						--	--	--	0.6	--	--	0.02
6/08/72	5050	0.63	22.5C		8.3	3660		--	0.52				0.04	--
1015	5050	1.2						--	--	--	--	--	--	--

TABLE D-6 (CONTINUED)

NUTRIENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB	G.H. Q	TEMP TURB	FIELD CO2 ALK.	FIELD LABORATORY PH	FIELD LABORATORY EC	LAB HCO3 CO3	NO2 NH3	NUTRIENT CONSTITUENTS IN MILLIGRAMS PER LITER NO3 ORG N	DIS ORG N	NH3 + ORG N	DIS A.H.PO4	D O-PO4 T O-SO4	D TOT P TOT P
	A8	1250.00			BEAR CREEK NEAR RUMSEY						CONTINUED			
7/14/72	5050	0.33	32.0C		8.4			--	0.02				0.09	--
1240	5050							--	--	--	--	--	--	--
	A8	1350.00			CACHE CREEK NEAR LOWER LAKE									
10/21/71	5050	1.07	15.2C		8.1	252		--	0.01				0.02	--
1430	5050	32						--	--	--	1.0	--	--	0.09
11/12/71	5050	0.34	9.5C		7.4			--	0.15				0.01	--
1030	5050	1						--	--	--	0.8	--	--	0.04
12/16/71	5050	0.33	4.5C		7.4	287		--	0.59				0.01	--
0945	5050	1						--	--	--	0.9	--	--	0.04
1/13/72	5050	0.24	4.0C		7.5	302		--	0.52				0.01	--
1010	5050	0.5						--	--	--	0.8	--	--	0.03
2/10/72	5050	0.29	5.0C		7.4	262		--	0.64				0.00	--
1015	5050	1						--	--	--	0.7	--	--	0.07
3/09/72	5050	0.38	11.5C		7.3	254		--	0.47				0.01	--
1015	5050	1						--	--	--	0.6	--	--	0.04
4/17/72	5050	1.34	12.5C		7.5	347		--	3.30				0.03	--
1145	5050	52						--	--	--	1.4	--	--	0.08
5/04/72	5050	2.79	19.5C		7.8	274		--	0.02				0.01	--
1205	5050	275						--	--	--	1.5	--	--	0.07
6/08/72	5050	3.23	23.0C		7.6	306		--	0.07				0.03	--
0845	5050	375						--	--	--	1.3	--	--	0.18
7/14/72	5050	3.62	27.0C		8.2	270		--	0.03				0.01	--
1105	5050	495						--	--	--	1.2	--	--	0.09
	82 R	809.1	048.5		NEW HOGAN RESERVOIR NEAR DAM									
11/02/71	5002		10.0C		7.2	205	107	0.00	2.1				--	--
	5002						0	--	--	--	0.04	--	--	0.0085
	82	5300.00			CALAVERAS RIVER BELOW NEW HOGAN DAM									
11/02/71	5002		10.5C		7.6	225	112	0.00	1.6				--	--
	5002	2.3					0	--	--	--	0.03	--	--	0.0098
	B9 D	748.3	126.9		OLD RIVER AT TRACY ROAD BRIDGE									
10/05/71	5001		19 C		8.0		175	--	1.20				--	--
1330	5006		22A			865	0	0.20	--	--	--	--	0.09	0.19
11/11/71	5001		13 C		7.6			--	1.04				--	--
1350	5006		14A			830		0.22	0.70	--	0.92	--	0.17	0.20
12/09/71	5001		8 C		7.8			--	0.87				--	--
1400	5006		8A			766		0.21	0.73	--	0.94	--	0.18	0.24
1/19/72	5001		8 C		7.5		111	--	0.86				--	--
1400	5006		14A		7.5	542	0	0.45	0.45	--	0.9	--	0.21	0.26
2/23/72	5001		13 C		7.5			--	1.00				--	--
1345	5006		11A			712		0.26	0.54	--	0.8	--	0.20	0.25
3/20/72	5001		20 C		8.5			--	0.99				--	--
1425	5006		17A			792		0.03	1.60	--	1.63	--	0.06	0.17
4/20/72	5001		15 C		7.6		194	--	1.15				--	--
1350	5006		32A		7.6	1330	0	0.19	1.90	--	2.09	--	0.07	0.28
5/30/72	5001		24 C		8.4			--	0.03				--	--
1350	5006		25A			1050		0.01	1.80	--	1.81	--	--	0.11
6/16/72	5001		21 C		9.0			--	0.02				--	--
1245	5006		27A			1080		0.02	1.90	--	1.92	--	0.09	0.40
7/13/72	5001		28 C		8.5		204	--	0.33				--	--
1525	5006		14A		8.2	1270	0	0.30	1.50	--	1.8	--	0.16	--
8/17/72	5001		22 C		8.9			--	0.11				--	--
1505	5006		11A			1130		0.04	2.10	--	2.14	--	0.07	0.14
9/25/72	5001		20 C		7.7			--	0.65				--	--
1440	5006		9A			551		0.31	1.10	--	1.41	--	0.10	0.16
	B9 D	752.6	122.9		MIDDLE RIVER AT WILLIAMS BRIDGE									
10/05/71	5001		20 C		8.7		129	--	0.13				--	--
1400	5006		32A			725	0	0.01	--	--	--	--	0.05	0.10
11/11/71	5001		12 C		8.2			--	0.37				--	--
1430	5006		27A			740		0.005	1.00	--	1.005	--	0.01	0.07
12/09/71	5001		6 C		7.7			--	0.66				--	--
1430	5006		11A			618		0.01	0.81	--	0.82	--	0.05	0.08
1/19/72	5001		8 C		7.5		86	--	0.81				--	--
1435	5006		18A		7.6	443	0	0.04	0.34	--	0.38	--	0.06	0.13
2/23/72	5001		13 C		7.6			--	0.82				--	--
1410	5006		24A			619		0.01	0.48	--	0.49	--	0.03	0.11
3/20/72	5001		19 C		7.4			--	0.42				--	--
1500	5006		31A			259		0.02	0.60	--	0.62	--	0.05	0.13
4/20/72	5001		16 C		8.0		76	--	0.40				--	--
1430	5006		20A		7.7	325	0	0.03	1.00	--	1.03	--	0.05	0.10
5/30/72	5001		25 C		7.7			--	0.50				--	--
1435	5006		30A			348		0.01	0.70	--	0.71	--	0.05	0.14
6/16/72	5001		22 C		7.5			--	0.70				--	--
1330	5006		45A			383		0.04	1.20	--	1.24	--	0.08	0.65

TABLE D-6 (CONTINUED)

NUTRIENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB	G.H. Q	TEMP TURB	FIELD CO2 ALK.	FIELD LABORATORY PH	FIELD LABORATORY EC	LAB HCO3 CO3	NO2 NH3	NUTRIENT CONSTITUENTS IN MILLIGRAMS PER LITER NO3 ORG N	DIS ORG N	NH3 + ORG N	DIS A.H.PO4	D O-PO4 T O-PO4	D TOT P TOT P
	89 O 752.6	122.9	MIDDLE RIVER AT WILLIAMS BRIDGE								CONTINUED			
7/13/72	5001		26 C		7.9		78	--	0.59				--	--
1605	5006		36A		7.6	691	0	0.05	1.00	--	1.05	--	0.07	--
8/17/72	5001		22 C		7.5			--	0.37				--	--
1550	5006		27A			406		0.02	0.70	--	0.72	--	0.07	0.15
9/25/72	5001		20 C		8.6			--	0.20				--	--
1520	5006		22A			407		0.02	1.30	--	1.32	--	0.03	0.17
	89 O 753.5	129.3	MIDDLE RIVER AT BORDEN HIGHWAY											
10/05/71	5001		19 C				77	--	0.07				--	--
1255	5006						0	0.01	--	--	--	--	0.06	0.08
11/11/71	5001		12 C		7.5			--	0.53				--	--
1315	5006		17A			311		0.05	0.46	--	0.51	--	0.04	0.04
12/09/71	5001		8 C		7.6			--	0.62				--	--
1320	5006		16A			303		0.06	0.56	--	0.62	--	0.07	0.07
1/19/72	5001		7 C		7.3		85	--	1.95				--	--
1320	5006		21A		7.4	485	0	0.11	0.67	--	0.78	--	0.05	0.12
2/23/72	5001		12 C		7.3			--	1.20				--	--
1310	5006		21A			423		0.12	0.46	--	0.58	--	0.06	0.14
3/20/72	5001		18 C		7.5			--	0.37				--	--
1355	5006		25A			201		0.03	1.30	--	1.33	--	0.06	0.12
4/20/72	5001		15 C		8.1		68	--	0.20				--	--
1300	5006		22A		7.6	186	0	0.03	1.20	--	1.23	--	0.04	0.05
5/30/72	5001		23 C		7.2			--	0.19				--	--
1320	5006		23A			236		0.01	0.40	--	0.41	--	0.06	0.11
6/16/72	5001		21 C		7.5			--	0.25				--	--
1130	5006		28A			299		0.03	0.60	--	0.63	--	0.08	0.54
7/13/72	5001		26 C		7.5		73	--	0.32				--	--
1445	5006		24A		7.6	575	0	0.03	0.90	--	0.93	--	0.06	--
8/17/72	5001		21 C		7.7			--	0.13				--	--
1430	5006		17A			298		0.02	0.50	--	0.52	--	0.07	0.12
9/25/72	5001		20 C		7.6			--	0.23				--	--
1410	5006		16A			262		0.02	0.50	--	0.52	--	0.07	0.09
	89 O 756.1	125.8	WHISKY SLOUGH AT HOLT											
10/05/71	5001		30 C		7.3		81	--	0.01				--	--
1220	5006		15A			335	0	0.01	--	--	--	--	0.04	--
11/11/71	5001		12 C		7.5			--	0.45				--	--
1245	5006		14A			499		0.06	0.73	--	0.79	--	0.005	0.04
12/09/71	5001		8 C		7.6			--	1.15				--	--
1245	5006		14A			655		0.16	0.78	--	0.94	--	0.05	0.08
1/19/72	5001		6 C		7.3		76	--	4.50				--	--
1250	5006		10A		7.3	862	0	0.16	0.99	--	1.15	--	0.03	0.08
2/23/72	5001		13 C		7.2			--	3.00				--	--
1240	5006		9A			923		0.01	0.99	--	1.0	--	0.01	0.07
3/20/72	5001		19 C		8.4			--	0.91				--	--
1325	5006		12A			732		0.01	1.50	--	1.51	--	0.01	0.07
4/20/72	5001		15 C		8.5		77	--	0.07				--	--
1215	5006		20A		7.7	577	0	0.04	1.40	--	1.44	--	0.01	0.10
5/30/72	5001		24 C		7.1			--	0.08				--	--
1245	5006		12A			545		0.08	0.60	--	0.68	--	0.02	0.05
6/16/72	5001		23 C		7.5			--	0.04				--	--
1045	5006		18A			463		0.05	1.20	--	1.25	--	0.02	0.15
7/13/72	5001		29 C		8.5		84	--	0.21				--	--
1350	5006		18A		8.2	428	0	0.02	1.30	--	1.32	--	0.01	--
8/17/72	5001		22 C		7.7			--	0.35				--	--
1350	5006		17A			436		0.02	0.80	--	0.82	--	0.03	0.09
9/25/72	5001		21 C		7.3			--	0.08				--	--
1330	5006		9A			512		0.08	0.80	--	0.88	--	0.03	0.07
	89 O 758.7	122.9	SAN JOAQUIN RIVER AT BUCKLEY COVE											
10/05/71	5001		19 C		7.7		151	--	1.20				--	--
1120	5006		15A			669	0	0.28	--	--	--	--	0.29	0.30
11/11/71	5001		12 C		7.7			--	1.36				--	--
1145	5006		12A			741		0.38	0.62	--	1.0	--	0.10	0.14
12/09/71	5001		9 C		7.8			--	1.38				--	--
1135	5006		10A			693		0.35	1.14	--	1.49	--	0.25	0.29
1/19/72	5001		7 C		7.5		87	--	0.86				--	--
1140	5006		13A		7.6	423	0	0.29	0.44	--	0.73	--	0.16	0.22
2/23/72	5001		13 C		7.4			--	1.15				--	--
1145	5006		15A			577		0.28	0.50	--	0.78	--	0.14	0.20
3/20/72	5001		20 C		8.4			--	0.85				--	--
1245	5006		15A			516		0.01	1.20	--	1.21	--	0.11	0.18
4/20/72	5001		16 C		7.5		108	--	0.86				--	--
1125	5006		25A		7.6	505	0	0.005	1.50	--	1.505	--	0.24	0.43
5/30/72	5001		22 C		7.7			--	0.07				--	--
1145	5006		17A			295		0.02	0.70	--	0.72	--	0.09	0.16

TABLE D-6 (CONTINUED)

NUTRIENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB	G.H. Q	TEMP TURB	FIELD CO2 ALK.	FIELD LABORATORY PH	EC	LAB HCO3 CO3	NUTRIENT CONSTITUENTS IN MILLIGRAMS PER LITER NO2 NH3	NO3 ORG N	DIS ORG N	NH3 + ORG N	DIS A.H.PO4	D O-PO4 T O-PO4	D TOT P TOT P
	89 D 758.7	122.9	SAN JOAQUIN RIVER AT BUCKLEY COVE							CONTINUED				
6/16/72	5001		23 C		7.5			--	0.13				--	--
0945	5006		16A			282		0.04	0.90	--	0.94	--	0.09	0.32
7/13/72	5001		27 C		8.1		94	--	0.22				--	--
1245	5006		14A		7.9	378	0	0.02	0.80	--	0.82	--	0.09	--
8/17/72	5001		22 C		7.8			--	0.25				--	--
1300	5006		18A			365		0.05	0.60	--	0.65	--	0.09	0.13
9/25/72	5001		21 C		7.5			--	1.58				--	--
1255	5006		8A			548		0.24	1.00	--	1.24	--	0.29	0.35
	89 D 801.1	142.6	BIG BREAK NEAR OAKLEY											
10/27/71	5001		16 C		8.2		65	--	0.10				--	--
1330	5006		14A			154	0	0.005	0.27	0.11	0.275	--	0.05	0.08
11/17/71	5001		12 C		8.1		66	--	0.16				--	--
1615	5006		12A		7.8	166	0	0.01	0.33	0.17	0.34	--	0.04	0.11
12/13/71	5001		9 C		7.7		65	--	0.26				--	--
1445	5006		14A		7.5	170	0	0.04	0.41	0.38	0.45	--	0.07	0.07
1/10/72	5001		6 C		7.6		69	--	0.86				--	--
1450	5006		18A		7.5	242	0	0.08	0.41	0.34	0.49	--	0.06	0.13
2/11/72	5001		9 C		7.5		69	--	0.55				--	--
1500	5006		21A		7.4	227	0	0.08	0.38	0.33	0.46	--	0.06	0.11
3/23/72	5001		15 C		8.3		66	--	0.07				--	--
1220	5006		22A		7.6	165	0	0.005	0.90	0.60	0.905	--	0.04	0.10
5/23/72	5001		20 C		7.8		73	--	0.06				--	--
1510	5006		16A		7.6	675	0	0.01	0.50	0.30	0.51	--	0.04	0.09
7/18/72	5001		22 C		8.4		74	--	0.18				--	--
1325	5006		34A		7.9	1540	0	0.005	0.40	0.40	0.405	--	0.06	0.09
8/22/72	5001		23 C		8.2		75	--	0.02				--	--
1620	5006		26A		7.6	794	0	0.03	0.50	0.40	0.53	--	0.07	0.10
9/21/72	5001		21 C		8.3		81	--	0.08				--	--
1600	5006		22A		7.6	411	0	0.03	1.20	0.60	1.23	--	0.05	0.10
	89 D 801.2	148.5	SAN JOAQUIN RIVER AT ANTIOCH SHIP CHANNEL											
10/27/71	5001		17 C		7.7		66	--	0.09				--	--
1250	5006		18A			256	0	0.005	0.28	0.27	0.285	--	0.05	0.08
11/17/71	5001		12 C		7.8		67	--	0.18				--	--
1535	5006		24A		7.7	500	0	0.03	0.30	0.11	0.33	--	0.04	0.07
12/13/71	5001		9 C		7.7		66	--	0.22				--	--
1410	5006		16A		7.5	327	0	0.04	0.43	0.21	0.47	--	0.05	0.05
1/10/72	5001		6 C		7.5		71	--	0.69				--	--
1415	5006		17A		7.3	235	0	0.04	0.43	0.33	0.47	--	0.06	0.12
2/11/72	5001		8 C		7.4		72	--	0.43				--	--
1425	5006		17A		7.3	227	0	0.06	0.35	0.26	0.41	--	0.05	0.10
3/23/72	5001		15 C		7.9		65	--	0.20				--	--
1140	5006		22A		7.4	212	0	0.01	0.70	0.20	0.71	--	0.05	0.09
5/23/72	5001		20 C		7.6		74	--	0.14				--	--
1420	5006		25A		7.6	2500	0	0.02	0.60	0.30	0.62	--	0.04	0.10
7/18/72	5001		22 C		8.0		76	--	0.13				--	--
1230	5006		27A		7.7	3940	0	0.005	0.60	0.40	0.605	--	0.06	0.12
8/22/72	5001		22 C		7.8		76	--	0.01				--	--
1530	5006		27A		7.6	1960	0	0.02	0.60	0.40	0.62	--	0.07	0.10
9/21/72	5001		20 C		8.1		80	--	0.03				--	--
1530	5006		29A		7.9	785	0	0.02	0.60	0.30	0.62	--	0.05	0.09
	89 D 801.6	145.2	SAN JOAQUIN RIVER AT ANTIOCH BRIDGE (AT LIGHT 12)											
10/27/71	5001		17 C		8.0		66	--	0.04				--	--
1310	5006		13A			207	0	0.005	0.30	0.09	0.305	--	0.04	0.08
11/17/71	5001		12 C		7.7		68	--	0.20				--	--
1555	5006		17A		7.7	350	0	0.005	0.31	0.16	0.315	--	0.04	0.13
3/23/72	5001		15 C		7.9		65	--	0.17				--	--
1200	5006		19A		7.5	192	0	0.005	0.70	0.50	0.705	--	0.04	0.09
5/23/72	5001		20 C		7.7		74	--	0.03				--	--
1445	5006		16A		7.5	1830	0	0.01	0.50	0.20	0.51	--	0.03	0.09
7/18/72	5001		22 C		8.3		74	--	0.13				--	--
1300	5006		27A		7.9	2620	0	0.005	0.40	0.40	0.405	--	0.06	0.09
8/22/72	5001		22 C		7.8		77	--	0.005				--	--
1600	5006		27A		7.6	1700	0	0.02	0.60	0.30	0.62	--	0.07	0.12
9/21/72	5001		21 C		7.8		82	--	0.02				--	--
1550	5006		25A		7.7	656	0	0.02	0.05	0.05	0.07	--	0.06	0.12
	89 D 802.6	136.8	FRANKS TRACT NEAR RUSSOS LANDING											
10/27/71	5001		17 C		8.2		59	--	0.14				--	--
1455	5006		13A			151	0	0.005	0.28	0.08	0.285	--	0.05	0.07
11/16/71	5001		11 C		7.7		64	--	1.35				--	--
1645	5006		15A		7.8	158	0	0.04	0.25	0.19	0.29	--	0.05	0.09
3/23/72	5001		15 C		8.0		62	--	0.20				--	--
1335	5006		20A		7.6	139	0	0.005	0.60	0.60	0.605	--	0.05	0.09

TABLE D-6 (CONTINUED)

NUTRIENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB	G.H. O	TEMP TURB	FIELD CO2 ALK.	FIELD LABORATORY PH	FIELD LABORATORY EC	LAB HCO3 CO3	NUTRIENT CONSTITUENTS IN MILLIGRAMS PER LITER NO2 NH3	NO3 ORG N	DIS ORG N	NH3 + ORG N	DIS A.M.PO4	D O-PO4 T O-PO4	D TOT P TOT P
		B9 D 802.6 136.8	FRANKS TRACT NEAR RUSSOS LANDING								CONTINUED			
5/23/72	5001		21 C		7.7		72	--	0.13				--	--
1645	5006		21A		7.5	390	0	0.02	0.50	0.30	0.52	--	0.04	0.11
7/18/72	5001		23 C		8.2		72	--	0.26				--	--
1600	5006		32A		7.5	1030	0	0.01	0.40	0.40	0.41	--	0.07	0.11
8/22/72	5001		23 C		8.1		74	--	0.05				--	--
1800	5006		24A		7.7	567	0	0.03	0.40	0.40	0.43	--	0.07	0.10
9/21/72	5001		21 C		8.4		81	--	0.13				--	--
1710	5006		20A		7.5	366	0	0.04	0.50	0.50	0.54	--	0.05	0.07
		B9 D 802.6 147.6	SHERMAN LAKE NEAR ANTIOCH											
10/26/71	5001		17 C		7.9		64	--	0.08				--	--
1310	5006		15A			203	0	0.005	0.26	0.07	0.265	--	0.05	0.07
11/16/71	5001		12 C		7.6		67	--	0.15				--	--
1330	5006		20A		7.7	364	0	0.01	0.30	0.15	0.31	--	0.04	0.06
3/22/72	5001		15 C		7.8		63	--	0.22				--	--
1125	5006		29A		7.5	237	0	0.03	0.80	0.50	0.83	--	0.05	0.10
5/22/72	5001		20 C		7.8		77	--	0.14				--	--
1540	5006		27A		8.0	1740	0	0.03	0.60	0.30	0.63	--	0.06	0.11
6/20/72	5001		21 C		8.1		80	--	0.23				--	--
1505	5006		32A		7.9	3650	0	0.02	0.60	0.50	0.62	--	0.09	0.48
7/19/72	5001		22 C		8.1		77	--	0.15				--	--
1355	5006		32A		8.0	4170	0	0.005	0.50	0.40	0.505	--	0.06	0.09
8/21/72	5001		22 C		8.1		74	--	0.02				--	--
1800	5006		22A		7.7	1610	0	0.005	0.50	0.40	0.505	--	0.07	0.10
9/20/72	5001		20 C		7.8		81	--	0.03				--	--
1610	5006		18A		7.3	771	0	0.03	0.50	0.40	0.53	--	0.06	0.11
		B9 D 802.7 123.3	DISAPPOINTMENT SLOUGH NEAR LODI											
10/05/71	5001		19 C		7.6		76	--	0.02				--	--
1000	5006		26A			185	0	0.02	0.31	--	0.33	--	0.03	0.10
11/11/71	5001		12 C		7.6			--	0.11				--	--
1030	5006		23A			251		0.02	0.53	--	0.55	--	0.03	0.05
12/09/71	5001		6 C		7.9			--	0.44				--	--
1030	5006		18A			281		0.01	0.84	--	0.85	--	0.10	0.11
1/19/72	5001		6 C		7.4		107	--	2.45				--	--
1030	5006		20A		7.6	483	0	0.36	0.92	--	1.28	--	0.22	0.29
2/23/72	5001		13 C		7.2			--	1.50				--	--
1025	5006		23A			392		0.07	0.69	--	0.76	--	0.17	0.26
3/20/72	5001		18 C		7.8			--	0.30				--	--
1100	5006		23A			238		0.02	1.10	--	1.12	--	0.14	0.21
4/20/72	5001		15 C		8.3		81	--	0.13				--	--
1000	5006		30A		7.6	209	0	0.04	0.90	--	0.94	--	0.14	0.22
5/30/72	5001		22 C		7.2			--	0.01				--	--
1005	5006		34A			212		0.01	0.70	--	0.71	--	0.08	0.19
6/16/72	5001		21 C		7.5			--	0.11				--	--
0820	5006		38A			239		0.03	1.00	--	1.03	--	0.09	0.46
7/13/72	5001		26 C		7.5		94	--	0.17				--	--
1045	5006		33A		7.8	257	0	0.02	1.10	--	1.12	--	0.09	--
8/17/72	5001		20 C		7.9			--	0.03				--	--
1100	5006		26A			283		0.03	0.90	--	0.93	--	0.07	0.12
9/25/72	5001		19 C		7.8			--	0.05				--	--
1100	5006		20A			253		0.03	0.80	--	0.83	--	0.07	0.13
		B9 D 803.1 141.3	SAN JOAQUIN RIVER AT JERSEY POINT											
10/27/71	5001		18 C		8.0		65	--	0.08				--	--
1355	5006		12A			161	0	0.005	0.29	0.07	0.295	--	0.05	0.10
11/17/71	5001		12 C		8.0		68	--	0.13				--	--
1640	5006		11A		7.7	205	0	0.005	0.36	0.10	0.365	--	0.04	0.09
12/13/71	5001		8 C		7.6		67	--	0.24				--	--
1520	5006		12A		7.5	180	0	0.01	0.61	0.34	0.62	--	0.06	0.07
1/10/72	5001		6 C		7.6		67	--	0.75				--	--
1515	5006		17A		7.4	218	0	0.10	0.37	0.32	0.47	--	0.07	0.13
2/11/72	5001		8 C		7.5		70	--	0.48				--	--
1530	5006		20A		7.4	202	0	0.09	0.29	0.19	0.38	--	0.06	0.12
3/23/72	5001		15 C		8.0		62	--	0.16				--	--
1245	5006		17A		7.6	160	0	0.005	0.80	0.50	0.805	--	0.05	0.09
5/23/72	5001		20 C		7.6		74	--	0.07				--	--
1540	5006		15A		7.7	815	0	0.01	0.40	0.30	0.41	--	0.04	0.09
7/18/72	5001		22 C		8.2		71	--	0.22				--	--
1415	5006		30A		7.4	1090	0	0.02	0.50	0.40	0.52	--	0.07	0.08
8/22/72	5001		22 C		8.0		73	--	0.03				--	--
1645	5006		27A		7.6	814	0	0.05	0.50	0.40	0.55	--	0.08	0.11
9/21/72	5001		20 C		8.2		81	--	0.30				--	--
1625	5006		25A		7.5	446	0	0.02	0.60	0.50	0.62	--	0.05	0.09

TABLE D-6 (CONTINUED)

NUTRIENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB	G.H. Q	TEMP TURB	FIELD CO2 ALK.	FIELD LABORATORY PH	FIELD LABORATORY EC	LAB HCO3 CO3	NO2 NH3	NUTRIENT CONSTITUENTS IN MILLIGRAMS PER LITER NO3 ORG N	DIS ORG N	NH3 + ORG N	DIS A.H.PO4	D O-PO4 T O-PO4	D TOT P TOT P
	89 D 804.7	134.0	SAN JOAQUIN RIVER AT POTATO POINT											
10/27/71	5001		16 C		7.8		64	--	0.21				--	--
1525	5006		9A		7.4	150	0	0.05	0.20	0.11	0.25	--	0.07	0.07
11/16/71	5001		11 C		7.6		64	--	0.23				--	--
1710	5006		10A		7.6	151	0	0.08	0.19	0.14	0.27	--	0.06	0.10
3/23/72	5001		15 C		7.8		61	--	0.19				--	--
1400	5006		17A		7.6	122	0	0.04	0.60	0.30	0.64	--	0.06	0.08
5/23/72	5001		20 C		7.4		79	--	0.20				--	--
1720	5006		16A		7.6	223	0	0.11	0.40	0.40	0.51	--	0.09	0.13
7/18/72	5001		23 C		8.0		69	--	0.21				--	--
1530	5006		27A		7.7	479	0	0.06	0.40	0.40	0.46	--	0.07	0.09
8/22/72	5001		22 C		7.7			--	0.14				--	--
1730	5006		17A			268		0.06	0.40	0.30	0.46	--	0.09	0.11
9/21/72	5001		20 C		8.0		83	--	0.18				--	--
1730	5006		19A		7.4	235	0	0.06	0.40	0.30	0.46	--	0.07	0.10
	89 D 805.2	124.1	WHITE SLOUGH AT RIO BLANCO TRACT											
10/05/71	5001		19 C		7.7		161	--	0.22				--	--
0920	5006		16A			409	0	0.10	--	--	--	--	0.25	0.26
11/11/71	5001		12 C		7.4			--	6.30				--	--
0945	5006		20A			525		1.40	0.90	--	2.3	--	6.09	6.29
12/09/71	5001		8 C		7.1			--	9.45				--	--
0955	5006		14A			546		1.30	1.85	--	3.15	--	4.89	6.03
1/19/72	5001		8 C		7.4		161	--	8.45				--	--
0935	5006		15A		7.5	570	0	0.97	1.83	--	2.8	--	3.98	4.08
2/23/72	5001		15 C		7.1			--	6.90				--	--
0945	5006		26A			498		0.40	1.46	--	1.86	--	3.52	3.78
3/20/72	5001		18 C		7.3			--	1.20				--	--
1030	5006		30A			213		0.02	1.10	--	1.12	--	0.64	0.65
4/20/72	5001		17 C		8.4		155	--	3.30				--	--
0855	5006		30A		7.6	438	0	0.05	2.30	--	2.35	--	2.85	3.26
5/30/72	5001		21 C		7.8			--	0.09				--	--
0915	5006		24A			323		0.01	1.20	--	1.21	--	0.44	0.60
6/16/72	5001		21 C		7.6			--	0.15				--	--
0735	5006		32A			279		0.07	1.30	--	1.37	--	0.42	0.63
7/13/72	5001		26 C		7.5		120	--	0.21				--	--
0950	5006		23A		7.8	313	0	0.21	0.70	--	0.91	--	0.23	--
8/17/72	5001		19 C		7.7			--	0.39				--	--
1000	5006		11A			523		0.07	1.60	--	1.67	--	1.01	1.11
9/25/72	5001		18 C		7.0			--	0.10				--	--
1015	5006		7A			519		0.16	1.60	--	1.76	--	0.98	1.08
	89 D 805.2	126.0	WHITE SLOUGH NEAR LODI											
10/06/71	5001		18 C		7.2		66	--	0.10				--	--
1005	5006		15A			142	0	0.02	--	--	--	--	0.05	0.07
11/12/71	5001		12 C		7.4			--	0.38				--	--
1000	5006		13A			153		0.06	0.29	--	0.35	--	0.25	0.25
12/10/71	5001		7 C		7.4			--	0.46				--	--
1030	5006		8A			183		0.07	0.33	--	0.4	--	0.07	0.07
1/20/72	5001		7 C		7.2		84	--	1.10				--	--
1000	5006		13A		7.6	263	0	0.09	0.34	--	0.43	--	0.22	0.25
2/24/72	5001		12 C		7.4			--	0.79				--	--
1020	5006		25A			239		0.04	0.38	--	0.42	--	0.22	0.26
3/21/72	5001		16 C		7.5			--	0.19				--	--
1030	5006		17A			147	0	0.03	0.90	--	0.93	--	0.06	0.08
4/21/72	5001		15 C		7.4		67	--	0.37				--	--
1025	5006		19A		7.5	158	0	0.005	0.50	--	0.505	--	0.09	0.16
5/31/72	5001		20 C		7.3			--	0.26				--	--
0945	5006		20A			203		0.02	0.40	--	0.42	--	0.09	0.14
6/19/72	5001		22 C		7.7			--	0.23				--	--
1030	5006		26A			182		0.02	0.70	--	0.72	--	0.09	0.41
7/14/72	5001		27 C		7.7		71	--	0.16				--	--
1030	5006		38A		7.5	172	0	0.01	0.70	--	0.71	--	0.06	--
8/18/72	5001		22 C		7.5			--	0.04				--	--
1030	5006		13A			198		0.02	0.40	--	0.42	--	0.10	0.15
9/26/72	5001		19 C		7.7			--	0.14				--	--
1045	5006		15A			198		0.02	0.50	--	0.52	--	0.07	0.12
	89 D 808.8	126.1	SYCAMORE SLOUGH NEAR LODI											
10/06/71	5001		19 C		6.9		92	--	0.15				--	--
1035	5006		8A			193	0	1.80	--	--	--	--	0.49	0.80
11/12/71	5001		12 C		7.5			--	0.23				--	--
1040	5006		14A			194		0.64	1.66	--	2.3	--	0.13	0.35
12/10/71	5001		6 C		7.5			--	0.18				--	--
1100	5006		10A			124		0.12	0.53	--	0.65	--	0.07	0.07
1/20/72	5001		7 C		7.4		194	--	0.07				--	--
1040	5006		20A		7.3	376	0	4.10	3.40	--	7.5	--	1.50	2.28

TABLE D-6 (CONTINUED)

NUTRIENT ANALYSIS OF SURFACE WATER

DATE / TIME	SAMP / LAB	G.H. / Q	TEMP / TURB	FIELD CO2 / ALK.	FIELD LABORATORY PH	FIELD LABORATORY EC	LAB HCO3 / CO3	NUTRIENT CONSTITUENTS IN MILLIGRAMS PER LITER NO2 / NH3	NO3 / ORG N	DIS NH3 + ORG N	DIS A.H.PO4	D O-PO4 / T O-PO4	D TOT P / TOT P
	89 D 808.8	126.1	SYCAMORE SLOUGH NEAR LODI							CONTINUED			
2/24/72	5001		13 C		7.4		--	--	0.11			--	--
1105	5006		14A			388		4.10	4.90	--	9.0	--	1.30	1.83
3/21/72	5001		18 C		7.8		--	--	0.02			--	--
1110	5006		17A			200		0.15	2.90	--	3.05	--	0.07	0.55
4/21/72	5001		17 C		8.7		54	--	0.03			--	--
1100	5006		26A		7.3	130	0	0.01	1.30	--	1.31	--	0.05	0.15
5/31/72	5001		22 C		6.3		--	--	0.10			--	--
1030	5006		13A			152		0.72	1.10	--	1.82	--	0.38	0.64
6/19/72	5001		21 C		7.7		--	--	0.09			--	--
1120	5006		23A			189		0.05	1.60	--	1.65	--	0.05	0.36
7/14/72	5001		29 C		8.1		55	--	0.07			--	--
1120	5006		20A		7.6	114	0	0.08	1.20	--	1.28	--	0.08	--
8/18/72	5001		22 C		7.6		--	--	0.32			--	--
1115	5006		15A			133		1.70	1.00	--	2.7	--	0.10	0.21
9/26/72	5001		18 C		7.2		--	--	0.16			--	--
1120	5006		9A			222		0.95	2.60	--	3.55	--	0.46	0.85
	89 D 809.4	141.0	SACRAMENTO RIVER BELOW RIO VISTA BRIDGE										
10/26/71	5001		16 C		7.6		63	--	0.17			--	--
1410	5006		8A			133	0	0.09	0.17	0.11	0.26	--	0.08	0.13
11/16/71	5001		12 C		7.6		64	--	0.16			--	--
1550	5006		10A		7.6	135	0	0.09	0.17	0.11	0.26	--	0.07	0.10
12/13/71	5001		7 C		7.6		66	--	0.16			--	--
1605	5006		10A		7.4	139	0	0.09	0.43	0.23	0.52	--	0.08	0.12
1/10/72	5001		6 C		7.4		70	--	0.21			--	--
1555	5006		13A		7.5	147	0	0.11	0.24	0.17	0.35	--	0.07	0.13
2/11/72	5001		9 C		7.6		70	--	0.21			--	--
1615	5006		20A		7.6	141	0	0.10	0.26	0.18	0.36	--	0.06	0.12
3/22/72	5001		14 C		7.8		63	--	0.15			--	--
1220	5006		25A		7.7	122	0	0.06	0.50	0.20	0.56	--	0.06	0.10
5/22/72	5001		19 C		7.7		87	--	0.23			--	--
1700	5006		18A		8.0	205	0	0.15	0.30	0.30	0.45	--	0.10	0.15
6/20/72	5001		21 C		8.1		76	--	0.21			--	--
1620	5006		20A		7.8	191	0	0.02	0.60	0.30	0.62	--	0.10	0.60
7/19/72	5001		22 C		8.1		66	--	0.16			--	--
1450	5006		20A		8.0	193	0	0.02	0.30	0.30	0.32	--	0.08	0.11
8/21/72	5001		21 C		7.8		71	--	0.11			--	--
1855	5006		13A		7.6	153	0	0.06	0.30	0.20	0.36	--	0.08	0.13
9/20/72	5001		20 C		7.8		82	--	0.19			--	--
1700	5006		10A		7.5	210	0	0.06	0.30	0.30	0.36	--	0.07	0.12
	89 D 810.1	127.9	HOG SLOUGH NEAR THORNTON										
10/06/71	5001		18 C		7.3		72	--	0.03			--	--
1115	5006		10A			222	0	0.02	--	--	--	--	0.06	0.17
11/12/71	5001		12 C		7.6		--	--	0.13			--	--
1120	5006		10A			328		0.04	0.39	--	0.43	--	0.05	0.09
12/10/71	5001		7 C		7.8		--	--	0.22			--	--
1145	5006		12A			468		0.005	0.75	--	0.755	--	0.04	0.10
1/20/72	5001		7 C		7.7		187	--	0.29			--	--
1125	5006		8A		7.8	672	0	0.02	0.55	--	0.57	--	0.06	0.09
2/24/72	5001		13 C		8.0		--	--	0.02			--	--
1145	5006		12A			496		0.005	0.62	--	0.625	--	0.03	0.09
3/21/72	5001		18 C		7.6		--	--	0.08			--	--
1155	5006		13A			286		0.01	1.00	--	1.01	--	0.04	0.09
4/21/72	5001		16 C		7.4		78	--	0.31			--	--
1130	5006		20A		7.5	253	0	0.03	0.60	--	0.63	--	0.07	0.12
5/31/72	5001		21 C		7.3		--	--	0.16			--	--
1120	5006		27A			275		0.04	0.60	--	0.64	--	0.10	0.18
6/19/72	5001		21 C		7.7		--	--	0.50			--	--
1230	5006		33A			228		0.03	0.70	--	0.73	--	0.09	0.45
7/14/72	5001		27 C		8.6		88	--	0.05			--	--
1220	5006		19A		7.8	293	0	0.005	0.80	--	0.805	--	0.05	--
8/18/72	5001		22 C		7.6		--	--	0.51			--	--
1230	5006		22A			275		0.07	0.60	--	0.67	--	0.08	0.14
9/26/72	5001		19 C		7.6		--	--	0.17			--	--
1205	5006		20A			251		0.05	0.60	--	0.65	--	0.10	0.15
	89 D 812.3	126.8	BEAVER SLOUGH NEAR THORNTON										
10/06/71	5001		19 C		7.8		64	--	0.12			--	--
1220	5006		8A			146	0	0.005	--	--	--	--	0.07	0.20
11/12/71	5001		12 C		7.2		--	--	0.26			--	--
1150	5006		13A			98		0.51	1.19	--	1.7	--	0.10	0.14
12/10/71	5001		7 C		7.3		--	--	0.65			--	--
1240	5006		12A			148		0.73	0.81	--	1.54	--	0.20	0.25
1/20/72	5001		6 C		7.2		118	--	0.55			--	--
1220	5006		11A		7.4	288	0	2.50	0.90	--	3.4	--	0.88	0.88

TABLE D-6 (CONTINUED)

NUTRIENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB	G.H. Q	TEMP TUR8	FIELD CO2 ALK.	FIELD LABORATORY PH	FIELD LABORATORY EC	LAB HCO3 CO3	NO2 NH3	NUTRIENT CONSTITUENTS IN MILLIGRAMS PER LITER NO3 ORG N	DIS ORG N	NH3 + ORG N	DIS A.H.PO4	D O-PO4 T O-PO4	D TOT P TOT P
	89 D 812.3	126.8	BEAVER SLOUGH NEAR THORNTON								CONTINUED			
2/24/72	5001		13 C		7.3			--	0.49				--	--
1250	5006		16A			360		1.90	3.80	--	5.7	--	0.44	0.60
3/21/72	5001		17 C		7.4			--	0.43				--	--
1245	5006		17A			199		0.13	0.80	--	0.93	--	0.07	0.12
4/21/72	5001		15 C		8.4		55	--	0.03				--	--
1230	5006		21A		7.6	133	0	0.02	0.80	--	0.82	--	0.06	0.16
5/31/72	5001		21 C		7.6			--	0.19				--	--
1230	5006		20A			190		0.01	0.50	--	0.51	--	0.07	0.14
6/19/72	5001		21 C		7.5			--	0.24				--	--
1330	5006		27A			216		0.13	0.90	--	1.03	--	0.13	0.59
7/14/72	5001		27 C		8.2		84	--	0.10				--	--
1330	5006		23A		7.8	232	0	0.06	0.60	--	0.66	--	0.08	--
8/18/72	5001		22 C		7.6			--	0.20				--	--
1300	5006		23A			178		0.05	0.40	--	0.45	--	0.09	0.16
9/26/72	5001		19 C		7.5			--	0.17				--	--
1300	5006		18A			251		0.06	0.40	--	0.46	--	0.13	0.14
	89 D 815.3	126.3	MOKELUMNE RIVER NEAR THORNTON											
10/06/71	5001		15 C		7.1		22	--	0.04				--	--
1250	5006		3A			52	0	0.005	--	--	--	--	0.005	0.05
11/12/71	5001		13 C		7.1			--	0.02				--	--
1240	5006		4A			56		0.005	0.20	--	0.205	--	0.01	0.03
12/10/71	5001		5 C		7.0			--	0.02				--	--
1315	5006		5A			71		0.005	0.34	--	0.345	--	0.02	0.02
1/20/72	5001		8 C		7.2		37	--	0.08				--	--
1255	5006		5A		7.4	85	0	0.01	0.14	--	0.15	--	0.01	0.03
2/24/72	5001		12 C		7.4			--	0.11				--	--
1325	5006		14A			104		0.005	0.14	--	0.145	--	0.01	0.03
3/21/72	5001		15 C		7.3			--	0.01				--	--
1320	5006		9A			53		0.005	0.20	--	0.205	--	0.02	0.03
4/21/72	5001		15 C		6.9		28	--	0.03				--	--
1300	5006		10A		7.5	56	0	0.02	0.10	--	0.12	--	0.01	0.04
5/31/72	5001		23 C		5.7			--	0.04				--	--
1300	5006		16A			64		0.01	0.20	--	0.21	--	0.03	0.06
6/19/72	5001		21 C		8.2			--	0.005				--	--
1410	5006		17A			132		0.02	0.70	--	0.72	--	0.02	0.32
7/14/72	5001		27 C		8.2		67	--	0.01				--	--
1420	5006		20A		8.3	139	0	0.01	0.70	--	0.71	--	0.03	--
8/18/72	5001		21 C		7.6			--	0.08				--	--
1340	5006		15A			152		0.04	0.50	--	0.54	--	0.06	0.09
9/26/72	5001		19 C		7.3			--	0.02				--	--
1330	5006		12A			102		0.01	0.70	--	0.71	--	0.03	0.05
	89 D 816.6	129.8	SNODGRASS SLOUGH AT TWIN CITIES ROAD											
10/06/71	5001		19 C		7.2		70	--	0.12				--	--
1330	5006		22A			155	0	0.03	--	--	--	--	0.04	0.08
11/12/71	5001		12 C		7.5			--	0.14				--	--
1315	5006		13A			130		0.08	0.23	--	0.31	--	0.07	0.08
12/10/71	5001		8 C		7.3			--	0.16				--	--
1355	5006		10A			143		0.08	0.33	--	0.41	--	0.07	0.08
1/20/72	5001		7 C		7.3		89	--	0.47				--	--
1320	5006		17A		7.5	205	0	0.10	0.30	--	0.4	--	0.09	0.15
3/21/72	5001		16 C		7.4			--	0.11				--	--
1410	5006		16A			132		0.04	0.80	--	0.84	--	0.05	0.09
4/21/72	5001		16 C		7.4		70	--	0.19				--	--
1340	5006		15A		7.4	150	0	0.10	0.50	--	0.6	--	0.07	0.12
5/31/72	5001		21 C		7.3			--	0.17				--	--
1350	5006		25A			190		0.07	0.40	--	0.47	--	0.10	0.15
6/19/72	5001		21 C		7.5			--	0.14				--	--
1500	5006		19A			172		0.08	0.70	--	0.78	--	0.10	0.51
7/14/72	5001		27 C		7.7		72	--	0.17				--	--
1510	5006		24A		7.7	147	0	0.04	0.50	--	0.54	--	0.06	--
8/18/72	5001		21 C		7.5			--	0.12				--	--
1420	5006		21A			152		0.06	0.30	--	0.36	--	0.08	0.13
9/26/72	5001		19 C		7.5			--	0.13				--	--
1415	5006		18A			181		0.04	0.50	--	0.54	--	0.07	0.11
	89 D 819.1	130.1	SNODGRASS SLOUGH AT SOUTHERN PACIFIC RR BRIDGE											
10/06/71	5001		19 C		7.0		88	--	0.06				--	--
1410	5006		17A			186	0	0.02	--	--	--	--	0.04	0.10
11/12/71	5001		12 C		7.3			--	0.06				--	--
1350	5006		12A			224		0.02	0.40	--	0.42	--	0.03	0.07
12/10/71	5001		7 C		7.0			--	0.05				--	--
1420	5006		5A			311		0.01	0.63	--	0.64	--	0.05	0.09
1/20/72	5001		7 C		7.3		118	--	1.00				--	--
1405	5006		9A		7.5	313	0	0.09	0.23	--	0.32	--	0.31	0.31

TABLE D-6 (CONTINUED)

NUTRIENT ANALYSIS OF SURFACE WATER

DATE / TIME	SAMP / LAB	G.H. / Q	TEMP / TURB	FIELD CO2 / ALK.	FIELD LABORATORY PH	EC	LAB HCO3 / CO3	NO2 / NH3	NUTRIENT CONSTITUENTS IN MILLIGRAMS PER LITER NO3 / ORG N	DIS ORG N	NH3 + ORG N	DIS A.N.P04	D O-P04 / T O-P04	D TOT P / TOT P
	B9 D 819.1 130.1		SNODGRASS SLOUGH AT SOUTHERN PACIFIC RR BRIDGE							CONTINUED				
2/24/72	5001		13 C		7.3			--	0.67				--	--
1440	5006		14A			351		0.03	1.25	--	1.28	--	0.09	0.19
3/21/72	5001		18 C		7.5			--	0.22				--	--
1440	5006		17A			245		0.03	1.50	--	1.53	--	0.04	0.10
4/21/72	5001		17 C		7.6		110	--	0.29				--	--
1400	5006		18A		7.6	267	0	0.02	0.70	--	0.72	--	0.07	0.13
5/31/72	5001		22 C		7.0			--	0.26				--	--
1425	5006		24A			237		0.04	0.50	--	0.54	--	0.08	0.14
6/19/72	5001		21 C		7.8			--	0.18				--	--
1540	5006		25A			208		0.01	1.20	--	1.21	--	0.06	0.59
7/14/72	5001		27 C		7.2		79	--	0.01				--	--
1555	5006		17A		7.6	166	0	0.005	0.60	--	0.605	--	0.005	--
8/18/72	5001		22 C		7.3			--	0.15				--	--
1455	5006		17A			176		0.05	0.40	--	0.45	--	0.09	0.15
9/26/72	5001		19 C		7.3			--	0.07				--	--
1450	5006		16A			194		0.02	0.60	--	0.62	--	0.05	0.10
	B9 D 820.7 132.7		SACRAMENTO RIVER AT GREENE'S LANDING											
4/03/72	5050		58 F		7.3	131		--	0.15				0.09	--
0830	5050		10A		7.4	140		--	--	--	0.3	--	--	0.12
7/26/72	5050		70 F		7.4	155		--	0.15				0.07	--
1020	5050		10A		7.4	153		--	--	--	0.4	--	--	0.12
9/19/72	5050		65 F			280		--	0.08				0.10	--
1215	5050		7A		7.4	173		--	--	--	0.4	--	--	0.13
	G4 1590.01		SUSAN RIVER NEAR LITCHFIELD											
4/06/72	5050		10.0C		7.7	154		--	0.12				0.14	--
1455	5050	34						--	--	--	0.4	--	--	0.28
6/01/72	5050		20.0C		7.8	380		--	0.04				0.12	--
1000	5050							--	--	--	0.5	--	--	0.19
	G6 1100.00		LONG VALLEY CREEK NEAR DOYLE NEAR MOUTH											
4/19/72	5050		48.0F		8.0	545		--	0.10				0.28	--
0845	5050	3 E	1A			512		--	--	--	0.2	--	--	0.29
	G6 1705.00		LONG VALLEY CREEK NEAR HALLELUJAH JUNCTION											
5/15/72	5050	2.29	17.2C		8.3	282		--	0.01				0.07	--
1015	5050	2.1						--	--	--	0.1	--	--	0.16
	G7 L 856.3 000.5		LAKE TAHOE AT TAHOE KEYS PIER (S-1)											
8/02/72	5050		19.8C		7.7	87		0.0006	0.001				0.0014	--
1145	5050		0.30A			92		0.010	0.120	--	0.13	--	--	0.003
	G7 L 856.4 000.6		LAKE TAHOE NEAR TAHOE KEYS (L-1)											
5/03/72	5050		48.2F		7.5	86		0.0002	0.0032				0.0015	--
1105	5050		0.19A			91		0.012	0.070	--	0.082	--	--	0.0051
8/02/72	5050		65.7F		7.7	91		0.0008	0.000				0.0012	--
1040	5050		0.15A			91		0.004	0.070	--	0.074	--	--	0.002
	G7 L 856.5 003.4		LAKE TAHOE NEAR CAMP RICHARDSON (S-6)											
5/03/72	5050		47.4F		7.7	91		0.0003	0.0028				0.0019	--
1125	5050		0.15A			91		0.004	0.070	--	0.074	--	--	0.0063
8/02/72	5050		65.6F		7.7	90		0.0007	0.000				0.0016	--
1055	5050		0.21A			92		0.011	0.070	--	0.081	--	--	0.002
	G7 L 857.0 958.0 2		LAKE TAHOE AT SURF AND SANDS PIER (S-10)											
5/03/72	5050		9.8C		7.5	92		0.0002	0.0057				0.0017	--
1100	5050		0.46A			87		0.006	0.100	--	0.106	--	--	0.0041
8/02/72	5050		19.8C		7.7	85		0.0007	0.003				0.0018	--
1100	5050		0.26A			93		0.005	0.020	--	0.025	--	--	0.004
	G7 L 900.0 000.0		LAKE TAHOE - SOUTH CENTER (C-1)											
5/03/72	5050		46.4F		7.7	92		0.0002	0.0041				0.0028	--
1010	5050		0.18A			92		0.032	0.060	--	0.092	--	--	0.0071
8/02/72	5050		65.6F		7.7	90		0.0003	0.002				0.0016	--
0945	5050		0.10A			87		0.007	0.080	--	0.087	--	--	0.004
	G7 L 900.4 956.9		LAKE TAHOE AT ZEPHYR COVE PIER (S-8)											
5/03/72	5050		7.4C		7.4	95		0.0000	0.0041				0.0011	--
0915	5050		0.14A			93		0.021	0.090	--	0.111	--	--	0.0040
8/02/72	5050		18.7C		7.7	82		0.0003	0.001				0.0014	--
0900	5050		0.22A			93		0.013	0.090	--	0.103	--	--	0.002
	G7 L 900.5 956.9		LAKE TAHOE AT ZEPHYR COVE (L-8)											
5/03/72	5050		45.8F		7.5	89		0.0004	0.0027				0.0014	--
0955	5050		0.14A			92		0.010	0.040	--	0.05	--	--	0.0032
8/02/72	5050		65.9F		7.7	90		0.0004	0.000				0.0010	--
0920	5050		0.13A			91		0.015	0.040	--	0.055	--	--	0.002

TABLE D-6 (CONTINUED)

NUTRIENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB	G.H. Q	TEMP TURB	FIELD CO2 ALK.	FIELD LABORATORY PH	FIELD LABORATORY EC	LAB HCO3 CO3	NUTRIENT CONSTITUENTS IN MILLIGRAMS PER LITER NO2 NH3	NO3 ORG N	DIS ORG N	NH3 + ORG N	DIS A.H.PO4	D O-PO4 T O-PO4	D TOT P TOT P
	G7 L 900.9 006.8		LAKE TAHOE AT RUBICON BAY (L-2)											
5/03/72	5050		49.4F		7.6	91		0.0000	0.0070				0.0016	--
1220	5050		0.13A			91		0.011	0.060	--	0.071	--	--	0.0038
8/02/72	5050		66.6F		7.8	91		0.0004	0.000				0.0016	--
1125	5050		0.14A			91		0.014	0.100	--	0.114	--	--	0.003
	G7 L 900.9 006.8 2		LAKE TAHOE AT RUBICON BAY PIER (S-2)											
5/03/72	5050		8.0C		7.4	99		0.0001	0.0043				0.0018	--
1230	5050		0.15A			92		0.012	0.040	--	0.052	--	--	0.0036
8/02/72	5050		19.7C		7.7	84		0.0006	0.002				0.0015	--
1240	5050		0.14A			93		0.007	0.070	--	0.077	--	--	0.008
	G7 L 902.3 007.2		LAKE TAHOE AT MEEKS BAY RESORT PIER (S-12)											
5/10/72	5050		6.5C		7.5	92		0.0005	0.0034				0.0016	--
0800	5050		0.10A			93		0.001	0.140	--	0.141	--	--	0.004
8/09/72	5050		19.4C		7.7	88		0.0000	0.000				0.0013	--
0810	5050		0.10A			93		0.019	0.010	--	0.029	--	--	0.003
	G7 L 904.5 008.4 2		LAKE TAHOE AT CHAMBERS LANDING PIER (S-9)											
5/03/72	5050		7.0C		7.4	101		0.0003	0.0045				0.0014	--
1315	5050		0.29A			93		0.018	0.090	--	0.108	--	--	0.0024
8/02/72	5050		19.2C		7.7	90		0.0004	0.002				0.0016	--
1315	5050		0.20A			92		0.001	0.090	--	0.091	--	--	0.002
	G7 L 905.3 956.4		LAKE TAHOE AT GLENBROOK BAY PIER (S-3)											
5/10/72	5050		51.3F		7.5	92		0.0002	0.0012				0.0015	--
1305	5050		0.17A			92		0.034	0.040	--	0.074	--	--	0.007
8/09/72	5050		21.5C		7.7	92		0.0000	0.000				0.0018	--
1355	5050		0.15A			91		0.019	0.070	--	0.089	--	--	0.003
	G7 L 907.8 009.2		LAKE TAHOE AT WARD CREEK PIER (S-11)											
5/10/72	5050		7.5C		7.4	74		0.0003	0.0033				0.0017	--
1020	5050		0.13A			93		0.020	0.070	--	0.09	--	--	0.005
8/09/72	5050		19.3C		7.8	90		0.0000	0.003				0.0016	--
0945	5050		0.09A			93		0.006	0.050	--	0.056	--	--	0.003
	G7 L 908.7 000.3		LAKE TAHOE - NORTH CENTER (C-2)											
5/03/72	5050		46.2F		7.6	89		0.0001	0.0034				0.0019	--
0855	5050		0.09A			92		0.029	0.060	--	0.089	--	--	0.0060
8/02/72	5050		64.9F		7.8	90		0.0005	0.000				0.0011	--
0840	5050		0.12A			93		0.008	0.010	--	0.018	--	--	0.002
	G7 L 910.8 007.1 2		LAKE TAHOE AT US COAST GUARD PIER (S-5)											
5/10/72	5050		47.4F		7.5	91		0.0005	0.0058				0.0018	--
1210	5050		0.16A			93		0.010	0.080	--	0.09	--	--	0.003
8/09/72	5050		68.9F		7.8	92		0.0000	0.000				0.0013	--
1155	5050		0.18A			90		0.002	0.070	--	0.072	--	--	0.004
	G7 L 914.2 002.2		LAKE TAHOE AT TAHOE VISTA (L-7)											
5/03/72	5050		45.9F		7.8	90		0.0004	0.0020				0.0033	--
0745	5050		0.23A			92		0.013	0.100	--	0.113	--	--	0.0039
8/02/72	5050		64.8F		7.7	90		0.0003	0.000				0.0017	--
0740	5050		0.16A			91		0.005	0.070	--	0.075	--	--	0.002
	G7 L 914.2 002.3		LAKE TAHOE AT KINGS BEACH PIER (S-7)											
5/03/72	5050		7.5C		7.4	95		0.0003	0.0035				0.0020	--
0745	5050		0.34A			93		0.015	0.080	--	0.095	--	--	0.0054
8/02/72	5050		18.0C		7.7	90		0.0014	0.001				0.0024	--
0730	5050		0.21A			93		0.015	0.080	--	0.095	--	--	0.003
	G7 L 914.2 956.6		LAKE TAHOE AT KINGS CASTLE PIER (S-4)											
5/03/72	5050		7.5C		7.3	96		0.0002	0.0022				0.0026	--
0830	5050		0.23A			92		0.006	0.130	--	0.136	--	--	0.0087
8/02/72	5050		19.5C		7.7	80		0.0005	0.004				0.0017	--
0810	5050		0.19A			88		0.012	0.060	--	0.072	--	--	0.002
	G7 L 914.3 956.8		LAKE TAHOE AT INCLINE GUARD STATION (L-4)											
5/03/72	5050		46.0F		7.6			0.0001	0.0042				0.0036	--
0820	5050		0.23A			91		0.014	0.030	--	0.044	--	--	0.0053
8/02/72	5050		66.9F		7.7	90		0.0006	0.000				0.0015	--
0810	5050		0.18A			92		0.002	0.060	--	0.062	--	--	0.002
	G7 3020.01		BURTON CREEK IN STAR HARBOR (T-8)											
5/10/72	5050		42.4F		7.3	55		0.0002	0.0045				0.021	--
1135	5050	7 E	2.00A			58		0.007	0.110	--	0.117	--	--	0.030
8/09/72	5050		64.2F		7.8	99		0.0000	0.000				0.040	--
1125	5050		3.0A			102		0.006	0.190	--	0.196	--	--	0.046
	G7 3050.01		WARD CREEK NEAR MOUTH (T-5)											
5/10/72	5050		42.6F		7.3	38		0.0003	0.035				0.0091	--
1015	5050	60 E	0.46A			40		0.000	0.120	--	0.12	--	--	0.014
8/09/72	5050		17.3C		7.6	79		0.0000	0.010				0.017	--
0920	5050	5 E	0.32A			70		0.016	0.080	--	0.096	--	--	0.022

TABLE D-6 (CONTINUED)

NUTRIENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB	G.H. Q	TEMP TURB	FIELD CO2 ALK.	FIELD LABORATORY PH	FIELD LABORATORY EC	LAB HCO3 CO3	NUTRIENT CONSTITUENTS IN MILLIGRAMS PER LITER NO2 NH3	NO3 ORG N	DIS ORG N	NH3 + ORG N	DIS A.M.PO4	D O-PO4 T O-PO4	D TOT P TOT P
	G7	3160.01		MADDEN CREEK NEAR MOUTH (T-10)										
5/10/72	5050		39.6F		7.3	40		0.0000	0.073				0.0082	--
0935	5050	20 E	0.27A			42		0.014	0.130	--	0.144	--	--	0.010
8/09/72	5050		58.7F		7.2	48		0.0002	0.045				0.0096	--
1035	5050	1 E	0.15A			49		0.008	0.090	--	0.098	--	--	0.010
	G7	3230.01		THIRD CREEK NEAR MOUTH (T-6)										
5/10/72	5050		8.5C		7.1	44		0.0005	0.023				0.018	--
1205	5050	8 E	2.51A			43		0.011	0.170	--	0.181	--	--	0.028
8/09/72	5050		20.5C		7.5	72		0.0000	0.007				0.035	--
1200	5050	3 E	1.00A			72		0.028	0.130	--	0.158	--	--	0.036
	G7	3253.01		INCLINE CREEK AT INCLINE VILLAGE (T-2)										
5/10/72	5050		7.5C		7.3	44		0.0004	0.054				0.021	--
1225	5050	8 E	3.50A			50		0.031	0.140	--	0.171	--	--	0.032
8/09/72	5050		19.5C		7.8	68		0.0000	0.008				0.036	--
1215	5050		5.10A			68		0.032	0.090	--	0.122	--	--	0.046
	G7	3300.01		GENERAL CREEK NEAR MEEKS BAY (T-3)										
5/10/72	5050		2.5C		6.8	13		0.0001	0.012				0.0019	--
0830	5050	15 E	0.21A			15		0.016	0.080	--	0.096	--	--	0.005
8/09/72	5050		13.0C		7.3	60		0.0000	0.002				0.022	--
0840	5050	3 E	0.25A			58		0.009	0.030	--	0.039	--	--	0.023
	G7	3571.01		TAYLOR CREEK NEAR CAMP RICHARDSON (T-4)										
5/10/72	5050		40.9F		7.1	22		0.0003	0.0044				0.0018	--
0830	5050	160 E	0.25A			23		0.013	0.060	--	0.073	--	--	0.003
8/09/72	5050		66.6F		7.0	25		0.0000	0.022				0.0028	--
0915	5050	6 E	0.25A			25		0.017	0.100	--	0.117	--	--	0.005
	G7	3679.90		EDGEWOOD CREEK AT MOUTH (T-7A)										
8/09/72	5050		66.3F		8.9	113		0.0000	0.003				0.089	--
0720	5050	2 E	3.10A			113		0.030	0.280	--	0.31	--	--	0.091
	G7	3680.00		EDGEWOOD CREEK AT STATELINE (T-7)										
5/10/72	5050		39.8F		7.3			0.0004	0.079				0.028	--
0705	5050	6 E	3.50A			99		0.021	0.150	--	0.171	--	--	0.033
8/09/72	5050		50.3F		7.3	97		0.0001	0.065				0.050	--
0805	5050	2 E	2.5A			98		0.019	0.100	--	0.119	--	--	0.050
	G7	3705.01		UPPER TRUCKEE RIVER NEAR MOUTH (T-1)										
5/10/72	5050		2.5C		6.8	30		0.0004	0.058				0.0039	--
0655	5050	35 E	2.00A			31		0.049	0.290	--	0.339	--	--	0.013
8/09/72	5050		18.0C		7.3	70		0.0000	0.063				0.012	--
0700	5050	10 E	1.80A			76		0.031	0.080	--	0.111	--	--	0.017
	G7	3810.01		TROUT CREEK NEAR MOUTH (T-9)										
5/10/72	5050		38.4F		7.1	45		0.0002	0.066				0.016	--
0745	5050	55 E	2.45A			40		0.022	0.210	--	0.232	--	--	0.032
8/09/72	5050		57.0F		7.2	48		0.0000	0.022				0.023	--
0840	5050	20 E	2.75A			48		0.014	0.150	--	0.164	--	--	0.037

TABLE D-7

PESTICIDES IN SURFACE WATER AND SEDIMENT

Lab and Sampler Agency Codes

5001 - U. S. Bureau of Reclamation

5002 - U. S. Army, Corps of Engineers

5007 - U. S. Environmental Protection Agency Laboratory at Alameda

5050 - Department of Water Resources

Pesticides

BHC - Benzene hexachloride

DDE - Dichloro diphenyl ethane

DDT - Dichloro diphenyl trichlorethane

PCB - Polychlorinated biphenol

ppDDD - Para para isomer of dichloro diphenyl dichloroethane

ppDDT - Para para isomer of dichloro diphenyl trichloroethane

When two pesticides are reported together with a slash mark separating them (ppDDE/Dieldrin, Simazine/Atrazine, etc.), the reported concentration is an undifferentiated total of the two. Either of the two pesticides could make up the entire total.

TABLE D-7 (Cont.)

PESTICIDES IN SURFACE WATER AND SEDIMENT

Station Number	Station	Date Time	Pesticides in Water (nanograms per liter)		Pesticides in Sediment (micrograms per liter of dry weight)	Samp	Lab
AO V 836.3 128.4	NATOMAS EAST MAIN DRAIN AT SACRAMENTO	07-26-72 0700	Diazinon	800		5050	5050
			Fenthion (Baytex)	370			
			Telodrin	220			
			Unknown as Parathion	1600			
AO V 836.4 131.4	NATOMAS MAIN DRAIN TO SACRAMENTO RIVER	07-26-72 1045	Dacthal	55		5050	5050
			Parathion	5			
			Unknown as Parathion	70			
AO V 847.4 135.8	R-D 1001 DRAIN TO NATOMAS CROSS CANAL	07-26-72 0830	Diazinon	20		5050	5050
			PCB (Aroclor 1260)	50			
AO 2112.00	SACRAMENTO RIVER AT ELKHORN FERRY	07-26-72 0800	Dacthal	30		5050	5050
			No organic phosphorus pesticides detected				
AO 2170.00	SACRAMENTO RIVER AT FREMONT WEIR, WEST END	10-20-71 0845	Unknown as DDT	5		5050	5050
		11-17-71 1115	No chlorinated pesticides detected			5050	5050
		12-15-71 1000	Unknown as DDT	10		5050	5050
		01-26-72 1115	BHC	2		5050	5050
			Simazine/Atrazine	15			
			Unknown as DDT	2			
			Complex mixture of chlorinated compound as DDT	10			
		02-16-72 1020	Unknown as DDT	3		5050	5050
			No organic phosphorus pesticides detected				
		03-15-72 1030	No chlorinated pesticides detected			5050	5050
		04-03-72 1400	No chlorinated pesticides detected			5050	5050
		05-17-72 0915	Dieldrin	10		5050	5050
		06-21-72 0745	Simazine/Atrazine	55		5050	5050
			pp DDD	15			
			pp DDT	5			
		07-26-72 1200	Dacthal	35		5050	5050
			Diazinon	15			
		08-16-72 0955	Unknown as DDT	10		5050	5050
		09-19-72 0945	No chlorinated pesticides detected			5050	5050
AO 2230.02	SACRAMENTO RIVER ABOVE COLUSA BASIN DRAIN	03-15-72 1345	No chlorinated pesticides detected			5050	5050
			No organic phosphorus pesticides detected				
		07-26-72 1245	Unknown as DDT	15		5050	5050
			No organic phosphorus pesticides detected				
AO 2420.00	SACRAMENTO RIVER AT COLUSA	03-15-72 0900	No chlorinated pesticides detected			5050	5050
			No organic phosphorus pesticides detected				
		07-26-72 0835	Dacthal	30		5050	5050
			Dieldrin	20			
			No organic phosphorus pesticides detected				
AO 2905.00	YOLO BYPASS BELOW SACRAMENTO BYPASS	07-26-72 1330	Dacthal	50		5050	5050
			No organic phosphorus pesticides detected				
AO 2925.00	SACRAMENTO SLOUGH AT SACRAMENTO RIVER	07-26-72 1215	Dacthal	35		5050	5050
			No organic phosphorus pesticides detected				
AO 2926.00	R-D 1500 DRAINAGE TO SACRAMENTO SLOUGH	07-26-72 1150	Dacthal	40		5050	5050
			Dieldrin	10			
			Unknown as DDT	10			
			Unknown as DDT	15			
			Parathion	10			
AO 2933.00	R-D 108 DRAINAGE TO SACRAMENTO RIVER	07-26-72 1400	Unknown as DDT	30		5050	5050
			Unknown as DDT	40			
			Methyl Parathion	15			
AO 2947.10	COLUSA BASIN DRAIN NEAR KNIGHTS LANDING	03-15-72 1230	Simazine/Atrazine	25		5050	5050
			No organic phosphorus pesticides detected				

TABLE D-7 (Cont.)

PESTICIDES IN SURFACE WATER AND SEDIMENT

Station Number	Station	Date Time	Pesticides in Water (nanograms per liter)		Pesticides in Sediment (micrograms per liter of dry weight)	Samp	Lab
A0 2947.10	COLUSA BASIN DRAIN NEAR KNIGHTS LANDING (Continued)	07-26-72 1330	Dieldrin	10		5050	5050
			pp DDD	10			
			Kelthane	5			
			Unknown as DDT	10			
			Methyl Parathion	5			
		09-19-72 1335	Dacthal	65		5050	5050
			Dichlone	90			
			No organic phosphorus pesticides detected				
A0 2950.00	R-D 787 DRAINAGE TO COLUSA BASIN DRAIN	07-26-72 1310	Unknown as DDT	35		5050	5050
			Fenthion (Baytex)	15			
			Methyl Parathion	5			
			Parathion	10			
A0 2955.00	R-D 787 DRAINAGE TO SACRAMENTO RIVER	07-26-72 1425	Unknown as DDT	10		5050	5050
			Unknown as DDT	30			
			Parathion	5			
		09-19-72 1430	Unknown as DDT	30		5050	5050
			No organic phosphorus pesticides detected				
A0 2963.00	R-D 1660 DRAINAGE TO TISDALE BYPASS	07-26-72 1010	Dacthal	50		5050	5050
			Dieldrin	20			
			Unknown as DDT	20			
			Parathion	10			
A0 2965.00	R-D 70 DRAINAGE TO SACRAMENTO RIVER	07-26-72 0950	Dacthal	35		5050	5050
			Dieldrin	15			
			pp DDD	10			
			Diazinon	35			
		09-19-72 1040	Dichlone	80		5050	5050
			Dacthal	80			
			No organic phosphorus pesticides detected				
A0 2972.00	BUTTE SLOUGH NEAR MERIDIAN	07-26-72 0920	Dacthal	30		5050	5050
			Dieldrin	10			
			Unknown as Parathion	5			
A0 2976.00	COLUSA BASIN DRAIN AT HIGHWAY 20	07-26-72 0805	Dacthal	15		5050	5050
			Dieldrin	5			
			No organic phosphorus pesticides detected				
A0 5103.00	FEATHER RIVER AT NICOLAUS	07-26-72 0945	Dacthal	25		5050	5050
			Unknown as DDT	10			
			Unknown as DDT	5			
			Diazinon	5			
A1 1020.00	PIT RIVER NEAR MONTGOMERY CREEK	05-16-72 1010	Dacthal	25		5050	5050
			pp DDD	5			
			Dieldrin	15			
			Unknown as DDT	10			
			Diazinon	15			
A1 1680.00	PIT RIVER NEAR CANBY	05-16-72 0745	Dacthal	25		5050	5050
			Dieldrin	25			
			Unknown as DDT	5			
			Diazinon	5			
A2 1010.00	SACRAMENTO RIVER AT KESWICK	07-26-72 0545	Dacthal	25		5050	5050
			Dieldrin	10			
			No organic phosphorus pesticides detected				
A8 1250.00	BEAR CREEK NEAR RUMSEY	05-04-72 1345	Dacthal	30		5050	5050
			Dieldrin	15			
			Unknown as DDT	25			
			Unknown as Parathion	65			
			Unknown as Parathion	5			
A8 1350.00	CACHE CREEK NEAR LOWER LAKE	02-10-72 1015	No chlorinated pesticides detected			5050	5050
			No organic phosphorus pesticides detected				
		05-04-72 1205	BHC	5		5050	5050
			Dieldrin	35			
			Unknown as DDT	15			
			Unknown as Parathion	55			
			Unknown as Parathion	5			
B0 7020.00	SAN JOAQUIN RIVER NEAR VERNALIS	11-17-71 1500	Dacthal	10		5050	5050
			Simazine/Atrazine	20			
			No organic phosphorus pesticides detected				
		02-16-72 1500	BHC	15		5050	5050
			No organic phosphorus pesticides detected				

TABLE D-7 (Cont.)

PESTICIDES IN SURFACE WATER AND SEDIMENT

Station Number	Station	Date Time	Pesticides in Water (nanograms per liter)		Pesticides in Sediment (micrograms per liter of dry weight)	Samp	Lab
B0 7020.00	SAN JOAQUIN RIVER NEAR VERNALIS (Continued)	02-16-72 1500	BHC	15		5050	5050
			No organic phosphorus peaticides detected				
		08-17-72 0945	Ethion	15		5050	5050
			Kelthane	140			
			Malathion	10			
			Methyl Parathion	30			
			Unknown as Parathion	50			
B2 R 809.1 048.5	NEW HOGAN RESERVOIR NEAR DAM	11-02-71	Aroclor	320		5002	5002
			BHC	12			
B2 5300.00	CALAVERAS RIVER BELOW HOGAN DAM	11-03-71	Aroclor	220		5002	5002
			BHC	15			
B9 D 747.2 118.4	SAN JOAQUIN RIVER AT MOSSDALE BRIDGE	10-29-71 1200	Unknown as DDT	15		5050	5050
		11-19-71 1330	Dacthal	5		5050	5050
			Unknown as DDT	10			
		12-21-71 1300	Unknown as DDT	10		5050	5050
		01-20-72 1115	BHC	3		5050	5050
			PCB (Aroclor 1260)	25			
			Simazine/Atrazine	20			
			Unknown as DDT	10			
			Unknown as DDT	5			
		02-17-72 1230	BHC	20		5050	5050
			Telodrin	10			
			Diazinon	200			
		03-09-72 1400	Dacthal	15		5050	5050
			Simazine/Atrazine	45			
		05-02-72 1145	Dacthal	95		5050	5050
			Dieldrin	15			
		06-05-72 0930	Dacthal	390		5050	5050
			Dieldrin	20			
		07-21-72 1000	Kelthane	60		5050	5050
			PCB (Aroclor 1260)	40			
		08-21-72 1030	Dacthal	55		5050	5050
		09-20-72 1000	Dacthal	100		5050	5050
B9 D 758.7 122.9	SAN JOAQUIN RIVER AT BUCKLEY COVE	10-05-71 1120	Aldrin	<3		5001	5007
			BHC	6			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
			Toxaphene	<100			
		11-11-71 1145	Aldrin	<3		5001	5007
			BHC	<3			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
			Toxaphene	<100			
		12-09-71 1135	Aldrin	<3		5001	5007
			BHC	<3			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
			Toxaphene	<100			
		01-19-72 1140	Aldrin	<3		5001	5007
			BHC	<3			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
			Toxaphene	<100			
		02-23-72 1145	Aldrin	<3		5001	5007
			BHC	<3			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
			Toxaphene	<100			

TABLE D-7 (Cont.)

PESTICIDES IN SURFACE WATER AND SEDIMENT

Station Number	Station	Date Time	Pesticides in Water (nanograms per liter)		Pesticides in Sediment (micrograms per liter of dry weight)	Samp	Lab
B9 D 758.7 122.9	SAN JOAQUIN RIVER AT BUCKLEY COVE (Continued)	04-20-72 1125	Aldrin	9		5001	5007
			BHC	<3			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
			Toxaphene	<100			
		05-30-72 1145	Aldrin	<3		5001	5007
			BHC	<3			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
			Toxaphene	<100			
		06-16-72 0945	Aldrin	<3		5001	5007
			BHC	<3			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
			Toxaphene	<100			
		07-13-72 1245	Aldrin	<3		5001	5007
			BHC	<3			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
			Toxaphene	<100			
		08-17-72 1300	Aldrin	<3		5001	5007
			BHC	<3			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
			Toxaphene	<100			
		09-25-72 1255	Aldrin	<3		5001	5007
			BHC	<3			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
			Toxaphene	<100			
B9 D 801.1 142.6	BIG BREAK NEAR OAKLEY	11-17-71 1615	Aldrin	<3		5001	5007
			BHC	<3			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
			Toxaphene	<100			
		12-13-71 1445	Aldrin	<3		5001	5007
			BHC	<3			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
			Toxaphene	<100			
		01-10-72 1450	Aldrin	<3		5001	5007
			BHC	<3			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
			Toxaphene	<100			
		02-11-72 1500	Aldrin	<3		5001	5007
			BHC	<3			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
			Toxaphene	<100			

TABLE D-7 (Cont.)

PESTICIDES IN SURFACE WATER AND SEDIMENT

Station Number	Station	Date Time	Pesticides in Water (nanograms per liter)		Pesticides in Sediment (micrograms per liter of dry weight)	Samp	Lab
B9 D 801.1 142.6	BIG BREAK NEAR OAKLEY (Continued)	06-07-72 1535	Aldrin	<3		5001	5007
			BHC	<3			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
			Toxaphene	<100			
		07-05-72 1450	Aldrin	<3		5001	5007
			BHC	<3			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
			Toxaphene	<100			
		08-07-72 1655	Aldrin	<3		5001	5007
			BHC	<3			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
			Toxaphene	<100			
		09-07-72 1855	Aldrin	<3		5001	5007
			BHC	<3			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
			Toxaphene	<100			
B9 D 801.2 148.5	SAN JOAQUIN RIVER AT ANTIOCH SHIP CHANNEL	11-17-71 1535	Aldrin	<3		5001	5007
			BHC	<3			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
			Toxaphene	<100			
		12-13-71 1410	Aldrin	<3		5001	5007
			BHC	<3			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
			Toxaphene	<100			
		01-10-72 1415	Aldrin	<3		5001	5007
			BHC	<3			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
			Toxaphene	<100			
		02-11-72 1425	Aldrin	<3		5001	5007
			BHC	<3			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
			Toxaphene	<100			
		03-09-72 1130	Aldrin	<3		5001	5007
			BHC	<3			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
			Toxaphene	<100			
		06-07-72 1455	Aldrin	<3		5001	5007
			BHC	<3			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
			Toxaphene	<100			

TABLE D-7 (Cont.)

PESTICIDES IN SURFACE WATER AND SEDIMENT

Station Number	Station	Date Time	Pesticides in Water (nanograms per liter)		Pesticides in Sediment (micrograms per liter of dry weight)	Samp	Lab
B9 D 801.2 148.5	SAN JOAQUIN RIVER AT ANTIOCH SHIP CHANNEL (Continued)	07-05-72 1400	Aldrin	<3		5001	5007
			BHC	<3			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
			Toxaphene	<100			
		08-07-72 1630	Aldrin	<3		5001	5007
			BHC	<3			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
			Toxaphene	<100			
		09-07-72 1750	Aldrin	<3		5001	5007
			BHC	<3			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
			Toxaphene	<100			
B9 D 802.6 136.8	FRANKS TRACT NEAR RUSSOS LANDING	11-16-71 1645	Aldrin	<3		5001	5007
			BHC	<3			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
			Toxaphene	<100			
		03-08-72 1225	Aldrin	<3		5001	5007
			BHC	<3			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
			Toxaphene	<100			
		04-11-72 1540	Aldrin	<3		5001	5007
			BHC	<3			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
			Toxaphene	<100			
		06-06-72 1520	Aldrin	<3		5001	5007
			BHC	<3			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
			Toxaphene	<100			
		07-05-72 1545	Aldrin	<3		5001	5007
			BHC	<3			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
			Toxaphene	<100			
		08-03-72 1650	Aldrin	<3		5001	5007
			BHC	<3			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
			Toxaphene	<100			
		09-06-72 1740	Aldrin	<3		5001	5007
			BHC	<3			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
			Toxaphene	<100			

TABLE D-7 (Cont.)

PESTICIDES IN SURFACE WATER AND SEDIMENT

Station Number	Station	Date Time	Pesticides in Water (nonogroms per liter)		Pesticides in Sediment (micrograms per liter of dry weight)	Samp	Lab
B9 D 803.1 141.3	SAN JOAQUIN RIVER AT JERSEY POINT	11-17-71 1640	Aldrin	<3		5001	5007
			BHC	<3			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
			Toxaphene	<100			
		12-13-71 1520	Aldrin	<3		5001	5007
			BHC	<3			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
			Toxaphene	<100			
		01-10-72 1515	Aldrin	<3		5001	5007
			BHC	<3			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
			Toxaphene	<100			
		02-11-72 1530	Aldrin	<3		5001	5007
			BHC	<3			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
			Toxaphene	<100			
		06-07-72 1605	Aldrin	<3		5001	5007
			BHC	<3			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
			Toxaphene	<100			
		07-05-72 1520	Aldrin	<3		5001	5007
			BHC	<3			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
			Toxaphene	<100			
		06-07-72 1605	Aldrin	<3		5001	5007
			BHC	<3			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
			Toxaphene	<100			
		07-05-72 1520	Aldrin	<3		5001	5007
			BHC	<3			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
			Toxaphene	<100			
		08-07-72 1755	Aldrin	<3		5001	5007
			BHC	<3			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
			Toxaphene	<100			
		09-07-72 1915	Aldrin	<3		5001	5007
			BHC	<3			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
			Toxaphene	<100			

TABLE D-7 (Cont.)

PESTICIDES IN SURFACE WATER AND SEDIMENT

Station Number	Station	Date Time	Pesticides in Water (nanograms per liter)		Pesticides in Sediment (micrograms per liter of dry weight)	Samp	Lab
B9 D 809.6 141.1	SACRAMENTO RIVER AT RIO VISTA BRIDGE	11-16-71 1550	Aldrin	<3		5001	5007
			BHC	<3			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
			Toxaphene	<100			
		12-13-71 1605	Aldrin	<3		5001	5007
			BHC	<3			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
			Toxaphene	<100			
		01-10-72 1055	Aldrin	<3		5001	5007
			BHC	<3			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
			Toxaphene	<100			
		02-11-72 1615	Aldrin	<3		5001	5007
			BHC	<3			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
			Toxaphene	<100			
		06-06-72 1325	Aldrin	<3		5001	5007
			BHC	<3			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
			Toxaphene	<100			
		07-06-72 1450	Aldrin	<3		5001	5007
			BHC	<3			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
			Toxaphene	<100			
		08-03-72 1420	Aldrin	<3		5001	5007
			BHC	<3			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
			Toxaphene	<100			
		09-07-72 1645	Aldrin	<3		5001	5007
			BHC	<3			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
			Toxaphene	<100			
B9 D 815.3 126.3	MOKELUMNE RIVER NEAR THORNTON	10-06-71 1250	Aldrin	<3		5001	5007
			BHC	<3			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
			Toxaphene	100			
		11-12-71 1240	Aldrin	<3		5001	5007
			BHC	<3			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
			Toxaphene	<100			

TABLE D-7 (Cont.)

PESTICIDES IN SURFACE WATER AND SEDIMENT

Station Number	Station	Date Time	Pesticides in Water (nanograms per liter)		Pesticides in Sediment (micrograms per liter of dry weight)	Samp	Lab
B9 D 815.3 126.3	MOKELUMNE RIVER NEAR THORNTON (Continued)	12-10-71 1315	Aldrin	<3		5001	5007
			BHC	5			
			DDE	7			
			DDT	<10			
			Dieldrin	<3			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
			Toxaphene	<100			
		01-20-72 1255	Aldrin	<3		5001	5007
			BHC	<3			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
			Toxaphene	<100			
		02-24-72 1325	Aldrin	<3		5001	5007
			BHC	<3			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
			Toxaphene	<100			
		04-21-72 1300	Aldrin	9		5001	5007
			BHC	<3			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
			Toxaphene	<100			
		05-31-72 1300	Aldrin	<3		5001	5007
			BHC	<3			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
			Toxaphene	<100			
		06-19-72 1410	Aldrin	<3		5001	5007
			BHC	<3			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Heptachlor	<3			
			Heptachlor Epoxide	7			
			Toxaphene	<100			
		07-14-72 1420	Aldrin	<3		5001	5007
			BHC	<3			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
			Toxaphene	<100			
		08-18-72 1340	Aldrin	<3		5001	5007
			BHC	<3			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
			Toxaphene	<100			
		09-26-72 1330	Aldrin	<3		5001	5007
			BHC	<3			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
			Toxaphene	<100			
B9 D 820.7 132.7	SACRAMENTO RIVER AT GREENE'S LANDING	10-21-71 1010	Unknown as DDT	10		5050	5050
			Unknown as DDT	4			
		11-17-71 1310	No chlorinated pesticides detected			5050	5050
		12-15-71 1305	Unknown as DDT	15		5050	5050
		01-26-72 1310	Unknown as DDT	3		5050	5050
			Unknown as DDT	3			
			BHC	2			
			Simazine/Atrazine	20			
			Complex mixture of chlorinated compounds as DDT	15			

TABLE D-7 (Cont.)

PESTICIDES IN SURFACE WATER AND SEDIMENT

Station Number	Station	Date Time	Pesticides in Water (nanograms per liter)		Pesticides in Sediment (micrograms per liter of dry weight)	Samp	Lab
B9 D 820.7 132.7	SACRAMENTO RIVER AT GREENE'S LANDING (Continued)	02-16-72 1355	Unknown as DDT	5		5050	5050
			Unknown as DDT	5			
			Unknown as DDT	5			
			No organic phosphorus pesticides detected				
		03-15-72 1355	No chlorinated pesticides detected			5050	5050
		04-03-72 0830	DDT	5		5050	5050
		05-17-72 1230	Dieldrin	10		5050	5050
			Unknown as DDT	5			
		06-21-72 1130	No chlorinated pesticides detected			5050	5050
		07-26-72 1015	Dacthal	25		5050	5050
			Malathion	5			
			Unknown as Parathion	55			
		08-16-72 1000	Unknown as DDT	10		5050	5050
		09-19-72 1215	No chlorinated pesticides detected			5050	5050
G4 1590.01	SUSAN RIVER NEAR LITCHFIELD	05-15-72 1300	Dacthal	25		5050	5050
			Dieldrin	25			
			Unknown as DDT	10			
			Diazinon	10			
G4 1600.00	SUSAN RIVER AT SUSANVILLE	05-15-72 1215	Dacthal	10		5050	5050
			Dieldrin	5			
			Unknown as DDT	5			
			Diazinon	5			
G6 1705.00	LONG VALLEY CREEK NEAR HALLELUJAH JUNCTION	05-15-72 1015	Dacthal	35		5050	5050
			Dieldrin	15			
			Unknown as DDT	5			
			Diazinon	10			

TABLE D-8 (Cont.)

DAILY MAXIMUM AND MINIMUM AND MONTHLY AVERAGE WATER TEMPERATURES

AO 2170.00 SACRAMENTO RIVER AT FREMONT WEIR, WEST END

(October 1, 1971, through September 30, 1972)

(In Degrees Fahrenheit)

Day	October		November		December		January		February		March		April		May		June		July		August		September	
	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
1	NR	NR	50	46	53	52	48	45	44	43	54	51					NR	NR	70	69	NR	NR	73	70
2	NR	NR	51	50	52	50	47	46	45	43	51	50					NR	NR	70	69	NR	NR	72	70
3	NR	NR	52	50	50	49	46	42	45	44	50	49					NR	NR	70	68	NR	NR	72	69
4	NR	NR	53	51	49	47	45	40	45	44	NR	NR					NR	NR	69	69	NR	NR	72	69
5	NR	NR	54	51	47	45	45	43	46	45	NR	NR					NR	NR	69	68	NR	NR	71	69
6	NR	NR	54	52	47	46	46	43	47	46	NR	NR					NR	NR	68	67	NR	NR	72	70
7	NR	NR	54	52	47	45	44	43	48	47	NR	NR					NR	NR	68	67	NR	NR	72	69
8	NR	NR	53	52	46	45	44	42	49	48	NR	NR					NR	NR	68	67	NR	NR	72	69
9	NR	NR	53	52	46	45	45	43	50	49	NR	NR					NR	NR	68	67	NR	NR	71	68
10	NR	NR	NR	NR	45	45	45	44	50	48	NR	NR	N		N		67	65	69	68	NR	NR	71	68
11	NR	NR	NR	NR	45	45	45	44	50	49	NR	NR	O		O		66	64	69	68	NR	NR	70	68
12	NR	NR	NR	NR	46	45	44	44	50	49	NR	NR					65	64	69	68	NR	NR	69	66
13	NR	NR	NR	NR	47	46	45	43	50	49	NR	NR					66	64	69	68	NR	NR	68	65
14	NR	NR	NR	NR	47	45	45	44	51	50	NR	NR					67	66	69	69	NR	NR	68	65
15	NR	NR	NR	NR	47	45	46	45	51	50	NR	NR	R		R		69	68	70	69	NR	NR	67	64
16	NR	NR	NR	NR	46	45	46	45	51	48	53	52	E		E		70	68	71	70	NR	NR	67	65
17	NR	NR	50	50	46	45	46	46	51	50	NR	NR					70	69	NR	NR	67	66	68	65
18	NR	NR	50	49	47	46	47	46	52	51	NR	NR	C		C		71	69	NR	NR	67	65	68	65
19	NR	NR	50	49	48	45	46	46	52	52	NR	NR					71	69	NR	NR	67	64	68	65
20	NR	NR	50	49	49	47	47	46	53	52	NR	NR	O		O		70	69	NR	NR	68	66	68	65
21	NR	NR	51	50	48	46	48	47	54	53	NR	NR	R		R		70	69	NR	NR	69	67	68	65
22	NR	NR	52	51	49	46	50	48	54	54	NR	NR					70	69	NR	NR	70	68	67	65
23	NR	NR	52	51	50	47	50	49	54	53	NR	NR	D		D		69	67	NR	NR	71	69	67	66
24	NR	NR	54	52	60	50	50	49	53	52	NR	NR					67	66	NR	NR	73	71	67	65
25	NR	NR	52	52	60	55	NR	NR	53	52	NR	NR					66	65	NR	NR	73	71	67	65
26	NR	NR	53	51	56	55	NR	NR	52	51	NR	NR					66	65	NR	NR	73	70	65	64
27	NR	NR	52	52	57	56	47	45	52	50	NR	NR					66	65	NR	NR	73	71	64	63
28	NR	NR	53	52	57	55	45	45	52	51	NR	NR					68	66	NR	NR	74	70	64	63
29	51	49	54	52	56	53	45	44	53	52	NR	NR					69	68	72	72	73	70	65	63
30	49	48	54	53	53	45	44	42			NR	NR					69	68	73	72	73	71	66	63
31	49	48			49	46	44	43			NR	NR							73	71	73	71		
Max	NR		NR		60		NR		54		NR		NR		NR		NR		NR		NR		73	
Min	NR		NR		45		NR		43		NR		NR		NR		NR		NR		NR		63	
Avg	NR		NR		49		NR		50		NR		NR		NR		NR		NR		NR		67	

NR - No record

AO 5165.00 FEATHER RIVER NEAR GRIDLEY

(October 1, 1971, through September 30, 1972)

Day	October		November		December		January		February		March		April		May		June		July		August		September	
	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
1	59	56	51	49	51	50	47	45	43	42	50	49	56	54	60	56	73	69	73	68	NR	NR	70	66
2	59	56	51	50	50	50	46	46	42	41	51	49	59	54	62	58	71	67	73	68	NR	NR	68	65
3	59	56	52	50	50	49	46	44	43	41	53	51	61	57	64	60	70	66	74	70	NR	NR	68	65
4	61	57	53	50	50	49	45	43	44	43	55	51	61	58	64	59	72	66	75	70	NR	NR	68	65
5	61	58	54	51	49	48	45	44	45	44	58	53	60	58	62	59	73	69	75	70	NR	NR	69	66
6	62	59	53	51	50	48	46	44	46	44	58	54	60	57	60	58	71	67	74	70	NR	NR	69	66
7	63	60	53	51	48	47	46	44	47	45	60	55	60	56	58	56	70	66	73	69	NR	NR	68	65
8	63	60	53	51	47	46	46	45	47	45	59	56	60	56	60	56	68	66	NR	NR	NR	NR	66	63
9	63	60	53	51	46	46	47	45	47	45	58	55	60	56	62	57	67	63	NR	NR	NR	NR	65	62
10	63	60	54	52	47	46	46	45	47	46	59	56	59	56	63	58	66	63	NR	NR	NR	NR	66	62
11	63	61	53	53	48	47	45	45	49	46	60	56	58	55	65	60	68	64	NR	NR	NR	NR	64	62
12	63	61	54	52	47	46	45	44	50	47	59	58	55	53	66	60	69	65	NR	NR	NR	NR	65	61
13	63	60	53	51	48	46	45	44	50	47	61	57	56	52	66	60	71	67	NR	NR	NR	NR	65	62
14	63	60	53	51	46	46	46	44	50	48	62	59	58	53	66	61	70	66	NR	NR	68	66	64	61
15	60	56	52	50	47	46	46	44	50	48	61	58	60	55	65	61	70	66	NR	NR	67	65	62	60
16	57	56	51	49	47	46	45	44	51	47	61	57	61	56	65	61	70	66	NR	NR	65	63	61	58
17	56	54	51	49	47	46	44	43	52	49	61	57	61	56	67	62	72	65	NR	NR	66	62	61	56
18	56	54	51	50	48	46	44	44	52	49	59	55	58	55	67	62	72	67	NR	NR	66	62	61	57
19	56	54	51	49	48	46	45	44	52	49	60	56	59	54	65	61	72	68	NR	NR	65	61	61	57
20	56	55	51	49	48	46	46	44	53	51	60	56	60	55	61	59	73	68	NR	NR	67	62	64	59
21	56	54	51	50	47	46	47	45	53	51	59	56	60	56	64	59	73	68	NR	NR	68	65	63	60
22	57	54	52	50	48	46	47	46	53	51	58	56	62	57	67	61	71	68	NR	NR	69	65	63	60
23	56	54	52	52	48	47	48	47	51	50	59	56	62	58	67	62	68	64	NR	NR	69	65	64	60
24	56	54	52	52	48	48	47	46	50	49	57	56	61	58	67	61	70	63	NR	NR	68	64	63	60
25	56	53	52	51	48	47	46	44	49	48	57	55	61	58	68	62	71	66	NR	NR	72	66	61	59
26	56	53	52	52	47	47	45	43	49	47	55	52	61	57	68	62	72	68	NR	NR	71	67	59	57
27	55	53	52	52	47	46	44	43	49	47	54	51	61	57	68	63	72	68	NR	NR	72	68	59	57
28	53	51	52	52	47	46	45	43	49	48	54	51	61	54	69	63	72	68	NR	NR	72	68	62	57
29	51	49	53	52	47	46	44	43	50	49	56	52	60	56	71	65	72	68	NR	NR	72	68	62	58
30	50	49	52	51	47	46	45	43			56	52	58	53	72	66	73	68	NR	NR	72	69	62	59
31	51	49			46	45	43	42			55	53			72	66			NR	NR	NR	NR		
Max	63		54		51		48		53		62		62		72		73		NR		NR		70	
Min	49		49		45		42		41		49		52		56		63		NR		NR		56	
Avg	57		52		47		45		48		56		58		63		68		NR		NR		62	

NR - No record

TABLE D-8 (Cont.)

DAILY MAXIMUM AND MINIMUM AND MONTHLY AVERAGE WATER TEMPERATURES

AO 5975.00 THERMALITO AFTERBAY RELEASE TO FEATHER RIVER NEAR OROVILLE (In Degrees Fahrenheit)

Day	October		November		December		January		February		March		April		May		June		July		August		September	
	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
1	57	56	51	49	51	50	45	45	44	43			NR	NR	62	57	71	70	69	67	73	69	68	67
2	58	57	51	50	50	50	45	45	43	43			NR	NR	63	59	71	68	71	67	70	68	67	66
3	60	58	52	50	50	50	45	41	43	43			NR	NR	64	61	70	67	74	70	69	67	70	66
4	62	59	53	51	50	48	42	41	43	43			NR	NR	62	61	72	66	73	70	69	67	70	66
5	62	60	53	52	49	48	42	41	44	43			62	61	62	61	73	69	72	70	71	68	70	68
6	64	61	54	52	49	48	43	42	45	44			62	61	61	61	69	67	71	70	73	69	70	67
7	64	62	53	52	48	47	44	43	46	44			63	60	61	59	68	67	70	69	74	71	67	65
8	64	62	53	53	47	46	44	43	45	44			61	58	60	57	67	65	71	69	75	71	65	63
9	63	62	53	53	46	46	44	43	46	45	N		61	60	62	59	65	63	74	70	76	72	63	62
10	66	62	54	53	47	46	44	43	46	45	O		60	60	64	59	64	62	75	72	72	71	66	63
11	64	62	54	54	47	46	44	43	47	46			60	59	63	60	66	63	76	72	71	69	63	62
12	65	64	54	54	46	45	43	43	48	47			59	56	62	61	68	64	75	72	69	68	65	62
13	64	63	54	54	46	45	43	43	49	47			57	54	63	61	69	66	81	72	70	68	64	62
14	63	62	54	53	45	45	43	43	49	48	R		58	55	62	61	67	65	75	73	69	66	62	60
15	62	59	53	51	46	45	44	43	50	48	E		58	57	65	61	66	65	72	66	66	64	60	58
16	59	57	51	50	46	45	43	43	51	48			64	58	68	62	67	65	69	66	65	63	58	56
17	57	56	51	50	46	46	43	43	51	49	C		64	59	68	65	68	64	73	67	65	63	59	57
18	57	55	51	50	47	46	43	43	51	50			58	56	68	65	70	66	71	70	63	62	58	57
19	56	55	51	50	47	46	44	43	51	50	O		58	56	66	65	69	67	71	70	65	61	60	58
20	56	56	52	51	47	45	45	44	52	51	R		58	57	65	64	70	68	70	68	67	63	64	60
21	57	55	52	51	46	46	46	45	54	51			62	57	67	64	69	68	69	67	69	65	63	61
22	56	55	52	51	47	46	47	46	54	51	D		63	59	67	65	68	67	70	66	70	66	62	61
23	56	55	52	52	47	47	48	47	52	51			63	61	65	63	67	65	70	66	68	66	65	61
24	56	55	52	52	47	47	47	47	51	49			62	61	66	63	67	64	70	66	67	65	64	62
25	56	55	52	52	47	47	47	46	49	47			61	60	64	63	70	65	70	67	72	67	61	59
26	55	55	52	52	47	46	46	46	48	47			61	59	65	62	70	67	69	66	72	69	60	58
27	55	55	52	52	46	46	46	44	48	47			60	59	65	63	69	66	70	67	73	69	58	58
28	54	52	52	52	46	45	45	44	49	48			65	60	65	63	70	67	70	65	71	70	62	58
29	52	50	52	52	46	45	44	43	49	48			61	56	67	64	69	66	70	65	73	70	62	59
30	51	50	52	51	46	45	44	43					60	55	70	66	71	67	69	66	72	70	61	59
31	50	49			45	45	43	43							71	67			71	67	71	68		
Max	66		54		51		48		54		NR		65		71		73		81		76		70	
Min	49		49		45		41		43		NR		54		57		62		65		61		56	
Avg	58		52		47		44		48		NR		59		63		67		70		68		62	

NR - No Record

AO 5000.00 FEATHER RIVER FISH HATCHERY

Day	October		November		December		January		February		March		April		May		June		July		August		September	
	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
1	54	53	53	52	52	52	47	47	45	44	45	45	50	50	54	53	55	55	63	62	63	61	56	53
2	54	54	53	52	52	50	47	47	45	45	46	45	50	49	53	52	55	55	62	61	63	61	56	55
3	55	54	53	53	51	50	47	46	45	45	46	46	51	49	54	52	56	55	62	60	63	61	56	55
4	55	53	53	52	51	51	46	45	45	45	46	46	51	49	54	53	56	56	61	60	63	61	56	56
5	53	52	53	52	51	50	46	46	45	45	47	46	51	49	54	53	56	55	62	61	62	61	57	54
6	55	52	53	52	50	50	46	46	45	45	47	46	50	49	53	53	57	55	61	61	62	62	57	56
7	55	54	53	52	50	50	46	46	45	44	49	46	50	48	53	53	57	55	61	61	62	60	56	54
8	54	52	53	53	50	50	46	46	45	45	48	47	50	49	53	51	57	55	62	61	61	59	55	52
9	54	53	53	52	50	50	46	46	45	45	47	47	51	49	54	53	56	55	62	61	62	60	55	55
10	54	53	52	52	50	50	46	45	45	45	48	47	51	49	54	53	56	55	62	58	62	59	56	55
11	54	52	52	52	50	49	45	45	45	45	48	47	51	50	54	53	57	55	58	57	61	50	55	51
12	54	53	52	51	49	49	45	45	45	45	47	47	50	50	54	54	58	55	58	56	63	61	51	50
13	54	54	52	51	49	47	45	45	46	45	48	46	50	48	54	54	58	56	57	56	63	63	52	50
14	55	54	52	51	49	49	45	45	46	45	49	47	50	48	55	54	58	56	58	56	63	59	52	50
15	54	54	52	51	49	49	45	45	45	45	48	47	52	49	56	54	58	57	59	58	59	56	52	50
16	54	53	52	51	49	48	45	45	45	45	50	47	52	51	55	54	59	57	58	57	58	56	51	51
17	53	53	52	52	48	48	45	45	46	45	51	49	52	50	55	53	59	59	58	56	59	58	52	51
18	53	53	52	52	48	48	45	45	46	46	51	50	52	51	55	54	60	59	59	58	59	58	51	50
19	53	53	52	52	48	48	45	45	46	46	50	50	53	52	55	53	60	58	59	58	59	58	51	50
20	54	53	52	52	48	47	45	45	46	46	51	49	53	52	54	53	60	59	60	57	59	58	52	50
21	54	54	52	51	48	48	45	45	47	46	51	49	53	51	54	54	61	60	60	58	60	59	51	50
22	54	54	51	50	48	46	45	45	47	46	50	49	53	51	54	53	61	59	61	60	60	59	52	50
23	54	54	51	51	47	46	45	45	46	44	50	47	53	51	54	53	60	58	61	58	60	59	52	51
24	54	54	51	51	47	47	45	45	44	44	49	48	53	50	55	53	60	59	59	57	60	59	53	51
25	54	54	51	51	47	47	45	45	44	44	50	49	51	50	55	54	60	58	60	58	61	59	52	50
26	54	53	51	51	47	47	45	45	45	44	50	50	53	51	55	53	61	59	61	59	61	61	53	51
27	54	54	51	51	47	47	45	45	46	45	50	49	53	52	55	54	61	60	62	59	61	61	54	52
28	54	53	51	50	47	47	45	45	46	46	50	49	53	51	55	54	61	60	62	61	61	59	53	52
29	54	53	51	50	47	47	45	45	46	45	50	49	52	52	55	54	62	61	62	61	61	60	53	53
30	54	53	52	51	47	47	45	45			50	49	53	52	56	54	63	61	62	61	61	56	54	53
31	53	53			47	47	45	44			50	49			56	55			62	60	56	53		
Max	55		53		52		47		47		51		53		56		63		63		63		57	
Min	52		50		46		44		44		45		48		54		55		56		53		50	
Avg	54		52		49		45		45		48		51		51		58		60		60		53	

DAILY MAXIMUM AND MINIMUM AND MONTHLY AVERAGE WATER TEMPERATURES

A0 6120.00 YUBA RIVER AT MARYSVILLE
(October 1, 1971, through September 30, 1972)

(In Degrees Fahrenheit)

Day	October		November		December		January		February		March		April		May		June		July		August		September	
	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
1	55	49	NR	NR	48	44	NR	NR	46	42	NR	NR	56	53	NR	NR	72	62	80	71	77	67	71	63
2	55	49	NR	NR	47	45	NR	NR	45	40	NR	NR	61	53	NR	NR	70	64	78	71	77	67	71	63
3	57	49	52	46	46	44	NR	NR	44	42	54	50	61	55	NR	NR	72	63	78	70	77	68	72	63
4	57	50	52	46	47	44	NR	NR	45	43	55	49	59	56	NR	NR	72	64	79	71	77	67	69	63
5	57	50	52	46	48	44	NR	NR	45	43	55	49	58	55	NR	NR	75	66	77	71	78	68	70	63
6	57	51	51	46	48	46	45	42	46	44	55	49	59	54	NR	NR	71	67	77	69	78	68	68	66
7	58	51	50	46	46	43	45	42	47	43	55	50	59	52	NR	NR	73	65	77	70	77	69	66	59
8	59	52	51	46	46	42	45	42	46	43	56	50	59	53	NR	NR	71	64	77	70	77	68	59	55
9	57	52	52	46	45	43	45	42	48	43	54	51	60	53	NR	NR	69	62	78	71	71	67	63	57
10	57	51	50	47	46	44	44	42	48	43	55	51	59	53	NR	NR	70	60	79	72	71	66	62	55
11	57	50	49	48	47	43	43	44	48	43	56	50	58	54	NR	NR	71	63	79	70	75	65	62	55
12	56	50	50	48	45	44	44	43	48	43	54	51	55	52	NR	NR	74	64	80	70	74	64	62	54
13	NR	NR	50	47	46	43	44	43	49	43	57	50	58	50	NR	NR	75	66	80	71	73	64	61	54
14	NR	NR	50	45	45	43	45	42	46	44	57	50	60	51	NR	NR	75	66	80	71	71	63	61	53
15	NR	NR	50	45	46	44	45	42	48	43	58	51	61	54	NR	NR	75	67	79	70	71	62	60	53
16	NR	NR	50	45	46	42	45	42	49	43	NR	NR	62	55	NR	NR	75	66	78	68	69	62	59	53
17	NR	NR	50	45	46	43	44	43	49	43	NR	NR	NR	NR	NR	NR	76	66	78	67	72	63	59	52
18	NR	NR	50	46	46	43	44	43	49	44	NR	NR	NR	NR	NR	NR	76	68	77	67	72	62	62	52
19	NR	NR	50	45	46	43	45	43	50	46	NR	NR	NR	NR	NR	NR	75	67	76	66	71	62	64	57
20	NR	NR	49	45	46	42	45	44	51	46	NR	NR	NR	NR	60	58	76	67	75	65	72	63	64	57
21	NR	NR	49	45	44	42	46	44	NR	NR	NR	NR	NR	NR	67	51	76	67	76	66	73	63	64	57
22	NR	NR	49	45	47	44	47	45	NR	NR	NR	NR	NR	NR	68	59	73	66	76	67	73	63	64	58
23	NR	NR	48	45	46	44	46	43	NR	NR	NR	NR	NR	NR	69	60	68	63	77	67	72	62	57	51
24	NR	NR	48	46	46	44	46	42	NR	NR	NR	NR	NR	NR	69	60	74	64	76	66	71	62	58	51
25	NR	NR	49	46	45	44	45	43	NR	NR	NR	NR	NR	NR	70	60	75	65	77	66	74	63	55	50
26	NR	NR	47	46	45	43	45	43	NR	NR	NR	NR	NR	NR	71	61	76	68	77	66	72	63	54	52
27	NR	NR	48	47	NR	NR	45	42	NR	NR	56	47	NR	NR	72	63	77	68	77	66	71	63	55	52
28	NR	NR	48	47	NR	NR	45	43	NR	NR	56	49	NR	NR	72	63	78	69	78	67	71	73	58	51
29	NR	NR	49	46	NR	NR	46	42	NR	NR	57	50	NR	NR	72	63	79	70	77	68	71	63	57	51
30	NR	NR	49	45	NR	NR	46	41			58	51	NR	NR	72	63	80	71	77	68	71	64	57	51
31	NR	NR			NR	NR	45	41			55	52			71	62			77	66	72	63		
Max	NR		NR		NR		NR		NR		NR		NR		NR		80		80		78		72	
Min	NR		NR		NR		NR		NR		NR		NR		NR		60		65		62		50	
Avg	NR		NR		NR		NR		NR		NR		NR		NR		70		73		69		59	

NR - No record

A6 1265.00 SQUIRREL CREEK NEAR PENN VALLEY
(October 1, 1971, through September 30, 1972)

Day	October		November		December		January		February		March		April		May		June		July		August		September	
	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
1																					75	52	73	61
2																					75	52	71	62
3																					74	60	71	59
4																					73	61	66	60
5																					74	62	69	62
6																					76	62	69	60
7																					75	63	71	56
8																					74	64	73	54
9																					75	66	70	54
10																					76	66	64	56
11																					75	65	63	55
12																					72	60	62	53
13																					70	60	63	52
14																					66	59	64	52
15																					65	58	66	53
16																					63	56	66	54
17																					66	57	65	54
18																			75	67	66	57	63	53
19																			72	66	66	58	61	56
20																			69	62	67	58	60	54
21																			70	62	68	58	61	53
22																			71	62	68	58	60	54
23																			72	62	69	58	59	52
24																			72	62	68	59	58	48
25																			73	61	71	60	55	49
26																			73	61	71	61	57	54
27																			72	60	72	62	60	55
28																			74	59	71	63	61	54
29																			75	60	72	63	63	54
30																			75	62	71	63	64	55
31																			75	61	73	62		
Max																			NR		76		73	
Min																			NR		52		52	
Avg																			NR		65		59	

Recorder installed July 17, 1972.

TABLE D-8 (Cont.)

DAILY MAXIMUM AND MINIMUM AND MONTHLY AVERAGE WATER TEMPERATURES

B9 D 749.5 133.1 OLD RIVER AT CLIFTON COURT FERRY

(In Degrees Fahrenheit)

Day	October		November		December		January		February		March		April		May		June		July		August		September	
	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
1	65	64	53	52	52	50	48	47	46	45	58	55	60	59	66	62	72	71	80	78	74	72	74	73
2	65	64	53	53	51	50	47	46	45	43	59	55	62	59	67	63	72	71	80	78	73	71	74	72
3	65	64	53	52	50	49	46	45	45	43	60	56	63	60	68	63	72	70	79	77	73	71	74	72
4	65	65	53	52	49	48	45	44	45	44	60	57	64	62	67	64	72	70	78	76	73	71	74	72
5	66	65	53	53	49	48	45	43	46	44	62	58	64	62	65	63	74	72	77	76	74	72	75	71
6	66	65	53	53	49	48	43	43	47	45	63	59	65	61	65	63	74	73	77	75	74	72	74	70
7	67	66	53	53	48	46	43	42	49	45	64	59	65	61	64	63	74	73	76	74	74	72	74	70
8	67	66	53	53	46	45	43	42	50	46	64	60	63	60	64	62	73	72	75	73	74	73	74	71
9	67	67	54	53	46	45	43	43	51	44	64	60	63	60	64	62	72	71	75	73	75	73	72	70
10	67	67	54	53	45	44	43	43	51	47	64	60	62	60	64	63	71	69	74	73	75	73	71	69
11	67	67	54	54	45	43	43	43	52	47	65	60	61	60	66	64	72	69	76	74	75	73	70	69
12	68	67	55	54	45	43	43	43	52	48	65	61	60	59	68	65	73	69	77	75	74	72	70	68
13	68	68	55	54	45	44	43	43	52	49	64	60	60	58	70	67	74	70	79	76	73	71	70	69
14	68	66	54	53	45	44	44	43	52	50	64	61	61	58	72	68	73	71	80	77	72	69	70	69
15	66	65	53	52	45	44	44	44	53	49	65	61	62	59	72	68	73	70	80	78	70	68	69	68
16	65	63	52	51	45	44	44	44	54	50	65	61	62	60	71	69	72	71	79	78	71	68	69	68
17	63	62	51	50	45	44	44	44	54	50	66	62	62	60	71	68	73	71	79	78	71	69	69	68
18	63	62	51	50	45	44	44	44	55	51	65	62	61	59	69	67	74	72	78	77	71	70	68	67
19	62	61	50	50	45	44	45	44	55	51	66	62	61	58	67	66	75	73	77	75	70	69	67	66
20	62	61	50	50	45	44	46	45	56	52	66	62	61	58	67	66	75	74	75	73	71	69	68	67
21	62	60	50	49	44	44	48	46	56	52	65	62	61	58	67	65	75	74	74	72	72	70	68	68
22	62	60	50	49	45	44	48	46	57	53	64	62	62	59	67	66	75	73	74	73	73	71	68	68
23	62	60	51	50	46	44	49	47	57	53	64	61	62	60	67	66	74	73	73	72	73	71	68	68
24	61	59	51	50	47	45	49	47	56	53	63	61	62	61	67	65	73	71	73	71	72	70	69	68
25	60	58	51	50	48	46	49	46	57	54	63	61	63	61	69	67	73	72	73	71	72	71	69	67
26	60	58	51	50	49	46	49	46	57	54	62	60	64	61	69	67	74	73	73	71	73	71	68	68
27	60	58	51	50	49	46	48	45	58	55	61	58	66	62	70	69	75	74	74	72	74	72	68	68
28	59	56	52	50	49	47	47	46	58	55	59	58	66	63	71	70	76	74	75	73	74	72	68	67
29	56	53	52	50	49	48	46	46	59	56	59	58	65	62	72	70	77	75	75	73	75	72	69	68
30	54	53	52	50	48	48	47	45			60	58	65	61	73	70	79	76	76	73	74	72	69	69
31	53	53			48	48	47	45			60	59			72	70			75	73	74	72		
Max	68		55		52		49		59		66		66		73		79		80		75		75	
Min	53		49		43		42		43		55		58		62		69		71		68		66	
Avg	63		52		46		45		51		61		61		67		73		75		72		69	

B9 D 757.8 121.9 STOCKTON SHIP CHANNEL AT BURNS CUTOFF
(October 1, 1971, through September 30, 1972)

Day	October		November		December		January		February		March		April		May		June		July		August		September	
	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
1	68	67	56	54	52	51	46	45	48	47	59	56	62	61	NR	NR					NR	NR	NR	NR
2	68	66	55	53	52	51	46	45	48	46	59	57	64	61	67	64					NR	NR	NR	NR
3	68	66	55	53	51	50	46	44	47	45	60	57	64	61	68	65					NR	NR	NR	NR
4	69	66	54	52	51	50	45	44	47	46	60	58	64	62	68	65					NR	NR	NR	NR
5	69	67	54	52	51	50	45	43	47	47	61	58	63	63	68	65					79	77	NR	NR
6	69	67	55	52	51	50	45	43	48	47	62	59	64	62	68	66					79	77	NR	NR
7	70	67	56	53	50	49	44	43	49	47	64	60	64	63	66	66					79	77	NR	NR
8	72	69	56	55	49	48	45	43	50	48	62	60	64	62	67	65					80	78	NR	NR
9	72	69	56	55	48	48	44	43	50	48	63	61	64	62	67	65					80	78	NR	NR
10	72	70	56	54	48	47	44	44	50	49	63	61	64	62	69	65					80	78	NR	NR
11	71	69	56	56	48	47	44	44	51	49	63	61	63	62	70	66	N		N		80	78	NR	NR
12	71	69	56	56	47	47	44	43	52	50	63	61	62	61	72	67					80	78	NR	NR
13	71	69	56	54	47	46	44	43	52	50	63	61	62	60	73	68	O		O		79	78	NR	NR
14	70	68	55	54	46	46	44	43	52	51	63	62	63	60	74	69					78	77	NR	NR
15	69	66	54	53	46	45	44	43	52	51	64	62	63	60	74	70					77	76	NR	NR
16	67	65	55	53	46	45	44	44	54	51	65	63	64	61	72	70	R		R		77	75	NR	NR
17	66	64	54	53	46	45	44	44	54	52	66	63	64	61	72	69					77	75	NR	NR
18	65	62	54	53	46	45	45	44	54	52	65	64	63	61	72	69	E		E		76	75	NR	NR
19	63	62	53	52	46	45	46	45	55	53	65	63	64	60	70	69					76	74	NR	NR
20	63	61	53	52	46	45	46	45	56	54	65	64	63	61	69	68	C		C		76	74	NR	NR
21	62	60	53	52	45	44	47	46	56	55	65	64	64	61	70	68	O		O		76	74	NR	NR
22	62	60	53	52	46	45	48	46	56	55	64	63	65	61	70	68					NR	NR	74	73
23	62	60	53	52	46	45	48	47	56	54	65	63	65	62	71	67	R		R		NR	NR	74	72
24	62	60	53	51	46	46	49	47	56	55	65	63	64	62	71	68					76	74	73	72
25	62	60	53	51	47	46	48	47	57	56	64	63	64	62	71	68	D		D		77	75	72	71
26	61	60	52	52	47	46	50	47	57	56	63	62	65	62	72	68					77	75	72	71
27	62	59	52	51	48	47	49	48	58	56	63	61	66	63	73	69					77	75	72	71
28	60	57	52	52	48	47	49	48	58	57	63	61	NR	NR	73	70					77	75	71	69
29	57	55	53	52	47	46	49	48	59	57	62	61	NR	NR	74	70					77	74	70	69
30	56	55	52	51	47	46	49	47			63	60	NR	NR	75	71					77	75	71	69
31	56	54			46	45	48	48			62	61			NR	NR					76	75		
Max	72		56		52		50		59		66		NR		NR		NR		NR		NR		NR	
Min	54		51		44		43		45		56		NR		NR		NR		NR		NR		NR	
Avg	65		54		47		46		52		62		NR		NR		NR		NR		NR		NR	

NR - No record

TABLE D-8 (Cont.)

DAILY MAXIMUM AND MINIMUM AND MONTHLY AVERAGE WATER TEMPERATURES

B9 D 759.8 125.1 SAN JOAQUIN RIVER AT RINDGE PUMP

(In Degrees Fahrenheit)

Day	October		November		December		January		February		March		April		May		June		July		August		September	
	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
1	68	66	55	53	52	51	46	45	46	46	58	56	62	60	68	62	75	71	80	66	80	78	79	78
2	68	66	55	54	51	51	46	45	46	45	59	57	64	60	70	64	74	72	79	77	80	78	79	77
3	68	67	55	54	51	50	45	45	46	45	60	57	65	61	70	65	75	72	78	76	80	78	78	77
4	69	67	55	54	50	49	45	44	46	46	61	58	65	62	69	65	75	72	78	76	80	78	77	77
5	68	67	55	54	50	48	45	44	47	46	63	59	63	62	69	65	77	73	78	76	79	77	78	76
6	68	67	54	54	50	49	45	44	47	47	63	59	64	62	68	65	75	74	79	76	80	78	78	76
7	69	67	54	53	49	47	45	44	48	47	63	60	64	62	66	65	75	74	78	76	80	78	78	76
8	68	67	55	53	48	45	44	44	48	47	63	60	63	61	67	64	75	73	78	76	80	78	77	76
9	69	67	55	54	47	46	44	44	49	48	62	60	63	61	67	65	74	72	79	76	82	78	78	76
10	69	67	55	54	47	46	44	44	49	49	63	61	65	61	67	65	73	71	78	76	81	79	77	75
11	70	68	55	55	47	46	44	44	50	49	63	61	62	61	69	66	73	71	79	76	81	79	77	74
12	70	68	55	55	47	46	44	44	50	49	63	62	61	60	72	67	74	71	82	77	81	79	76	74
13	71	69	55	54	46	45	44	44	51	50	63	62	60	59	74	68	75	72	83	78	80	78	76	74
14	70	68	54	53	45	45	44	43	51	51	63	62	61	59	75	69	76	72	84	79	78	76	75	73
15	68	67	54	52	46	45	44	43	52	51	64	62	64	60	74	69	77	73	82	80	77	75	75	73
16	67	66	53	52	46	45	44	43	53	51	65	62	65	61	73	69	77	73	81	80	77	73	74	73
17	66	65	53	52	45	45	44	44	54	52	66	63	64	61	72	69	77	73	81	79	77	74	74	72
18	65	64	53	52	45	45	44	44	54	53	66	63	61	59	71	69	76	74	80	79	76	75	74	72
19	64	64	52	51	45	45	45	44	55	53	66	63	60	58	70	67	76	74	80	78	76	75	73	72
20	64	63	52	52	45	44	46	44	55	53	66	63	62	58	68	67	76	74	79	77	76	75	74	72
21	63	62	52	51	44	44	47	45	56	54	65	63	62	59	69	66	76	74	78	76	77	75	73	72
22	63	62	52	51	46	44	47	46	56	55	64	62	63	60	70	67	75	74	78	76	77	75	73	72
23	62	62	52	51	46	45	47	46	55	54	64	62	64	51	70	67	74	73	78	76	77	75	72	71
24	62	60	52	52	47	46	47	46	55	55	64	62	63	62	70	68	75	73	78	76	78	75	72	71
25	61	59	52	52	47	46	47	46	56	55	64	62	63	61	70	68	76	73	78	76	80	77	72	70
26	61	59	52	51	46	46	47	46	57	55	62	59	65	62	71	68	76	74	79	76	80	77	71	71
27	60	59	52	52	46	46	47	46	57	56	61	59	69	63	72	68	76	74	80	76	80	78	71	71
28	59	55	52	52	47	46	47	46	58	57	62	59	67	63	73	69	77	74	81	77	79	77	72	70
29	56	51	52	52	47	47	47	46	58	57	61	60	65	62	73	69	79	75	80	77	80	77	73	70
30	55	53	52	52	47	47	47	46			62	59	66	62	75	70	82	76	80	77	80	78	72	71
31	55	53			47	46	47	46			61	60			74	70			80	77	80	78		
Max	71		55		52		47		58		66		69		75		82		84		82		79	
Min	51		51		44		43		45		56		58		62		71		76		73		70	
Avg	64		53		47		45		51		62		62		68		74		78		78		74	

B9 D 801.1 148.1 SAN JOAQUIN RIVER AT ANTIOCH
(October 1, 1971, through September 30, 1972)

Day	October		November		December		January		February		March		April		May		June		July		August		September	
	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
1	68	65	57	56	55	53	48	47	46	45	57	56	61	59	66	63	71	68	74	71	76	72	73	72
2	68	65	58	56	54	52	47	46	47	45	57	56	62	59	67	64	71	68	73	71	75	72	72	71
3	68	64	58	56	53	52	47	46	47	46	58	56	63	59	67	65	72	68	72	70	74	71	72	71
4	67	64	58	56	52	50	47	45	47	46	58	57	63	61	67	65	72	68	73	71	73	71	72	71
5	67	64	57	56	51	49	47	45	47	46	60	57	63	61	NR	NR	73	69	73	71	74	71	73	71
6	68	60	59	56	51	49	47	45	48	47	60	57	63	61	NR	NR	73	70	72	71	74	71	73	71
7	68	61	59	57	52	49	47	45	49	47	60	57	63	61	NR	NR	71	70	72	70	74	72	73	71
8	69	61	59	58	50	47	47	45	48	47	60	57	63	60	NR	NR	70	69	72	70	75	71	73	71
9	68	67	59	56	49	47	NR	NR	49	47	60	57	62	60	66	64	70	68	72	70	74	72	72	71
10	68	66	58	56	50	48	46	45	49	47	61	57	62	60	66	64	69	67	72	70	74	71	72	70
11	68	65	58	56	51	48	NR	NR	49	48	62	59	62	60	67	64	69	67	73	71	74	72	72	70
12	68	64	57	56	50	48	NR	NR	50	48	62	59	61	60	68	65	70	68	75	72	74	72	72	70
13	69	61	57	55	50	48	NR	NR	50	48	63	60	61	59	68	66	71	68	77	73	73	71	72	70
14	68	64	57	55	50	48	NR	NR	50	49	64	61	61	59	70	66	71	68	78	74	72	70	71	70
15	67	66	57	54	49	48	NR	NR	50	49	64	61	61	59	70	67	72	70	78	75	72	70	71	69
16	66	65	56	53	49	47	NR	NR	52	49	64	61	61	59	70	67	72	70	77	74	72	70	70	69
17	66	64	56	53	49	47	NR	NR	52	51	64	61	61	59	69	67	72	69	76	73	72	70	70	68
18	66	64	56	54	49	47	NR	NR	53	52	64	62	61	59	69	67	72	70	74	73	71	70	69	68
19	65	64	55	54	49	47	NR	NR	54	52	65	62	62	59	68	67	71	69	73	72	71	69	70	68
20	64	64	55	53	NR	NR	46	44	54	52	65	61	62	59	67	66	71	69	72	71	72	70	70	68
21	67	64	55	53	NR	NR	46	45	54	52	63	61	63	59	68	66	70	68	71	70	72	70	70	68
22	65	63	55	53	48	46	46	45	54	53	63	61	63	60	69	66	68	67	72	70	73	70	70	68
23	64	63	55	53	48	47	47	45	54	53	63	61	63	61	68	67	68	67	72	70	74	71	70	68
24	63	62	55	54	48	47	47	45	55	53	62	60	63	61	68	66	69	67	73	71	73	71	69	68
25	63	62	55	53	48	47	47	45	56	54	62	60	63	61	68	67	70	67	73	71	74	71	69	68
26	63	62	55	54	48	47	47	46	56	55	61	60	63	61	69	66	69	68	73	71	74	72	69	68
27	63	62	55	54	48	47	47	46	57	56	61	60	65	62	69	67	70	68	75	71	73	71	69	68
28	62	59	55	54	48	47	47	46	57	55	61	59	64	63	69	67	70	68	75	72	73	71	69	68
29	60	56	55	54	48	47	47	45	57	54	60	58	64	62	70	67	72	69	75	72	74	71	69	67
30	64	61	56	54	48	47	47	45			61	58	65	63	70	67	73	70	75	72	74	72	69	69
31	57	56			48	47	47	47			62	59			70	67			76	73	74	72		
Max	69		59		NR		NR		57		65		65		NR		73		78		76		73	
Min	56		53		NR		NR		45		56		59		NR		67		70		69		67	
Avg	64		56		NR		NR		51		60		61		NR		70		73		72		70	

NR - No record

TABLE D-8 (Cont.)

DAILY MAXIMUM AND MINIMUM AND MONTHLY AVERAGE WATER TEMPERATURES

B9 D 814.5 130.8 SACRAMENTO RIVER AT WALNUT GROVE

(In Degrees Fahrenheit)

Day	October		November		December		January		February		March		April		May		June		July		August		September	
	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
1	60	59	51	51	51	51	44	44	43	42	52	52	55	54	61	60	70	68	71	69	72	71	72	71
2	59	59	51	51	51	50	44	44	42	42	52	52	56	54	61	61	70	69	71	70	72	70	72	71
3	59	59	52	51	50	49	44	43	42	42	52	52	57	55	62	61	69	69	71	70	72	70	72	70
4	60	59	52	52	49	48	44	43	42	42	52	52	58	56	62	62	69	68	71	69	71	70	71	70
5	60	60	53	52	48	47	43	43	44	42	53	52	59	58	63	62	69	68	71	69	72	70	71	69
6	61	60	53	53	47	47	43	43	45	44	53	52	60	59	63	62	69	69	71	69	72	71	70	69
7	62	61	53	53	47	46	43	43	46	45	53	53	60	58	62	62	69	69	70	68	72	71	70	69
8	63	62	54	53	46	45	43	42	47	46	54	53	59	58	62	61	69	69	70	68	73	72	70	69
9	63	63	54	54	45	45	43	42	47	47	54	54	59	58	61	60	69	68	70	69	73	72	70	69
10	64	63	54	54	45	44	43	43	48	47	54	54	58	58	61	61	68	67	70	69	73	72	69	68
11	64	63	54	54	44	44	43	43	48	47	54	54	58	57	62	61	67	66	71	70	73	72	68	67
12	64	63	54	54	44	44	43	43	48	47	54	54	57	56	63	62	66	66	72	71	73	72	67	66
13	64	63	54	54	44	44	43	43	50	48	54	54	56	56	65	63	68	66	74	72	72	71	66	66
14	64	64	54	54	44	44	43	43	50	50	55	54	56	55	66	65	67	67	75	73	71	70	66	65
15	64	63	54	53	44	44	43	43	50	50	55	54	55	55	68	66	68	67	76	74	70	69	66	65
16	63	62	53	52	44	44	43	43	51	50	55	55	56	55	68	68	69	68	75	74	69	68	66	65
17	62	60	52	52	44	44	43	43	51	50	56	55	56	56	69	68	70	69	74	73	69	68	65	64
18	60	59	52	50	44	44	43	43	52	51	57	56	56	55	69	67	71	70	73	72	69	67	65	64
19	59	58	50	49	44	44	44	43	52	52	57	55	56	56	67	66	71	70	72	71	68	67	65	64
20	58	58	50	50	44	44	44	44	53	52	56	55	56	56	66	64	71	70	72	70	69	67	64	64
21	58	58	50	50	44	44	45	44	53	53	56	55	57	56	64	63	71	70	71	69	69	67	65	64
22	58	57	50	50	45	44	46	45	54	53	56	55	57	56	63	62	70	69	70	69	69	68	65	65
23	57	57	50	50	45	45	47	46	54	54	55	55	58	57	62	62	70	68	70	69	70	69	65	65
24	57	57	50	50	46	45	47	46	54	53	56	55	59	58	62	61	68	67	70	69	71	70	65	65
25	57	56	50	50	46	46	47	46	53	52	56	55	59	59	62	62	68	67	70	69	72	70	65	65
26	56	56	51	50	46	45	46	46	52	51	55	54	60	59	63	62	68	67	70	69	71	70	64	63
27	56	56	51	51	45	45	46	45	52	52	55	54	61	60	65	63	68	67	71	69	71	70	63	62
28	56	54	51	51	45	45	45	44	52	51	54	53	61	60	66	65	69	67	72	70	71	70	62	62
29	54	53	51	51	45	45	44	43	52	52	54	53	61	60	67	66	69	68	72	71	71	70	62	62
30	53	52	51	51	45	45	43	43			55	53	60	60	68	67	69	69	72	71	72	71	63	62
31	52	51			45	44					54	53			68	68			72	71	72	71		
Max	64		54		51		47		54		57		61		69		71		76		73		72	
Min	51		49		44		42		42		52		54		60		66		68		67		62	
Avg	59		52		45		44		49		54		57		64		68		71		70		66	

B9 D 802.7 132.7 SACRAMENTO RIVER AT GREENE'S LANDING

Day	October		November		December		January		February		March		April		May		June		July		August		September	
	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
1	NR	NR	51	50	52	51	45	45	43	43	52	51	57	56	62	61	71	70	73	70	73	72	73	72
2	NR	NR	52	50	51	50	45	45	43	42	53	52	58	56	63	61	71	69	72	70	73	70	73	72
3	NR	NR	53	52	51	49	45	44	44	43	53	52	60	57	64	62	70	69	72	71	72	71	72	71
4	NR	NR	53	52	49	48	45	43	44	43	53	52	61	60	65	64	70	68	72	70	71	70	72	70
5	NR	NR	54	53	48	48	45	44	44	43	54	53	61	61	64	64	71	69	71	70	72	70	71	70
6	NR	NR	54	53	48	48	44	43	46	44	54	53	61	61	64	53	71	69	71	69	72	71	71	70
7	64	63	54	53	49	47	44	43	47	46	55	53	61	60	63	62	71	70	71	69	73	72	71	70
8	65	64	55	54	48	47	44	43	48	46	55	54	61	60	63	61	71	69	70	69	73	72	71	70
9	65	64	54	53	47	47	44	44	49	48	55	54	61	59	63	61	70	69	71	70	73	72	71	70
10	65	65	54	53	47	46	44	43	48	48	55	54	60	59	64	61	69	67	71	70	74	72	70	68
11	65	64	54	54	46	46	44	44	49	47	55	54	60	57	65	63	68	65	72	70	73	72	70	68
12	65	64	55	54	46	46	44	44	49	48	55	55	58	56	67	64	67	65	73	71	73	72	68	67
13	66	64	54	54	46	46	44	44	50	48	55	54	57	55	69	66	68	66	75	73	72	71	68	66
14	65	65	54	53	46	46	44	43	50	49	56	55	56	54	71	68	69	67	75	74	71	70	68	66
15	65	64	53	52	46	46	44	44	50	49	56	55	57	56	71	70	70	68	76	75	70	69	67	65
16	64	62	52	51	46	45	44	44	50	49	56	55	57	55	71	70	71	69	75	74	69	67	67	66
17	62	60	52	51	46	45	44	44	50	49	57	56	58	55	71	69	72	70	74	73	69	68	67	65
18	60	59	51	50	46	45	44	44	50	50	58	57	58	56	69	68	73	71	73	72	69	68	66	65
19	59	58	51	50	46	45	45	45	51	50	58	58	57	56	68	66	72	71	72	72	68	67	66	64
20	59	58	51	50	46	45	46	45	52	51	58	57	58	56	66	64	72	71	71	70	69	68	NR	NR
21	58	57	51	50	46	45	46	46	53	52	57	56	58	57	64	62	72	70	71	70	70	69	NR	NR
22	58	57	52	51	46	45	47	47	53	52	57	56	60	57	63	61	71	70	72	70	71	70	NR	NR
23	58	57	52	51	47	46	48	47	53	52	57	56	60	59	64	62	70	68	72	70	71	71	NR	NR
24	58	57	52	51	47	47	49	48	53	52	57	55	61	60	64	62	68	67	72	71	72	71	NR	NR
25	58	56	52	51	48	47	48	47	52	51	58	57	62	61	65	63	69	67	72	70	72	71	NR	NR
26	57	56	52	52	47	46	47	46	52	51	57	55	62	60	67	64	68	67	72	70	72	71	NR	NR
27	57	56	52	52	46	45	46	45	52	51	56	54	62	61	68	66	69	67	72	71	72	71	63	62
28	56	54	52	52	46	46	45	45	52	51	56	53	63	61	70	67	70	68	73	71	72	71	64	62
29	54	52	53	52	46	46	45	43	52	51	56	54	63	61	70	69	70	68	73	72	72	71	64	63
30	52	51	53	52	46	45	44	43			56	54	61	60	71	70	71	68	73	72	73	72	64	63
31	51	50			46	45	44	43			57	55			71	70			73	72	73	72		
Max	NR		55		52		49		53		58		63		71		73		76		74		NR	
Min	NR		50		45		43		46		51		54		61		65		69		67		NR	
Avg	NR		52		47		45		49		55		59		65		69		72		71		NR	

NR - No record

TABLE D-9 (Cont.)

DAILY MAXIMUM, MINIMUM, AND AVERAGE SPECIFIC CONDUCTANCE

AO 2170.00 SACRAMENTO RIVER AT FREMONT WEIR, WEST END
(October 1, 1971, through September 30, 1972)

(In Micromhos at 25° C)

Day	October			November			December			January			February			March		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	NR	NR	NR	184	154	168	161	159	160	188	173	185	166	152	160	160	131	144
2	NR	NR	NR	164	162	163	175	140	163	188	179	183	163	152	157	135	104	121
3	NR	NR	NR	164	163	164	199	171	180	208	176	188	165	155	159	116	104	110
4	NR	NR	NR	166	163	166	193	180	183	208	162	180	166	160	163	NR	NR	NR
5	NR	NR	NR	168	154	159	181	174	176	178	162	173	214	160	180	NR	NR	NR
6	NR	NR	NR	202	147	164	182	157	170	171	165	170	175	167	170	NR	NR	NR
7	NR	NR	NR	164	163	163	192	163	180	178	165	175	175	167	173	NR	NR	NR
8	NR	NR	NR	164	163	163	198	167	183	214	164	182	168	161	164	NR	NR	NR
9	NR	NR	NR	NR	NR	NR	207	183	196	173	164	170	172	163	166	NR	NR	NR
10	NR	NR	NR	NR	NR	NR	206	159	182	173	171	172	172	165	169	NR	NR	NR
11	NR	NR	NR	NR	NR	NR	202	163	182	177	159	171	182	166	173	NR	NR	NR
12	NR	NR	NR	NR	NR	NR	190	158	171	175	161	167	219	169	188	NR	NR	NR
13	NR	NR	NR	NR	NR	NR	191	158	177	179	165	174	176	171	172	NR	NR	NR
14	NR	NR	NR	NR	NR	NR	189	158	174	177	165	174	180	177	179	NR	NR	NR
15	NR	NR	NR	NR	NR	NR	184	160	168	>220	174	>193	183	167	175	NR	NR	NR
16	NR	NR	NR	NR	NR	NR	166	140	161	185	174	179	197	167	180	132	116	131
17	NR	NR	NR	166	155	161	174	140	168	199	185	189	199	173	181	NR	NR	NR
18	NR	NR	NR	168	153	158	180	157	166	219	197	202	185	178	181	NR	NR	NR
19	NR	NR	NR	166	148	160	160	156	157	>220	220	>220	>226	178	>196	NR	NR	NR
20	NR	NR	NR	186	153	165	160	156	157	>220	214	>219	185	180	182	NR	NR	NR
21	NR	NR	NR	157	152	154	165	152	157	218	197	205	186	178	181	NR	NR	NR
22	NR	NR	NR	158	150	155	160	143	154	>220	184	>203	197	169	176	NR	NR	NR
23	NR	NR	NR	161	158	159	186	149	168	>220	187	>201	196	170	180	NR	NR	NR
24	NR	NR	NR	160	155	158	164	123	139	NR	NR	NR	198	169	183	NR	NR	NR
25	NR	NR	NR	164	154	158	126	107	122	NR	NR	NR	197	170	180	NR	NR	NR
26	NR	NR	NR	163	152	157	145	130	134	NR	NR	NR	210	156	177	NR	NR	NR
27	NR	NR	NR	191	163	173	190	145	170	166	138	150	156	134	145	NR	NR	NR
28	NR	NR	NR	169	158	165	208	181	191	163	141	155	142	134	137	NR	NR	NR
29	180	152	167	169	162	166	196	186	190	187	150	165	177	142	161	NR	NR	NR
30	185	152	172	168	161	164	202	183	195	159	144	150				NR	NR	NR
31	166	154	164				194	167	181	162	150	157				NR	NR	NR

Day	April			May			June			July			August			September		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1							NR	NR	NR	148	130	138	NR	NR	NR	210	171	184
2							NR	NR	NR	146	130	139	NR	NR	NR	211	171	189
3							NR	NR	NR	146	134	139	NR	NR	NR	213	181	200
4							NR	NR	NR	144	131	138	NR	NR	NR	208	200	203
5							NR	NR	NR	142	128	135	NR	NR	NR	213	190	205
6							NR	NR	NR	148	131	139	NR	NR	NR	224	189	202
7							NR	NR	NR	153	131	141	NR	NR	NR	230	190	204
8							NR	NR	NR	153	132	140	NR	NR	NR	232	191	207
9							NR	NR	NR	156	131	152	NR	NR	NR	232	204	219
10		N			N		175	147	162	151	135	143	NR	NR	NR	224	205	216
11		O			O		175	156	166	152	135	143	NR	NR	NR	218	205	214
12							177	164	171	159	138	145	NR	NR	NR	218	208	215
13							188	161	170	155	135	144	NR	NR	NR	220	207	216
14							184	140	169	160	132	153	NR	NR	NR	218	205	208
15		R			R		184	161	170	154	130	141	NR	NR	NR	218	194	205
16		E			E		182	156	165	159	129	138	NR	NR	NR	220	194	205
17							175	149	162	NR	NR	NR	212	156	179	222	200	207
18		C			C		172	152	165	NR	NR	NR	216	152	185	210	184	201
19							172	140	158	NR	NR	NR	220	170	191	220	193	200
20		O			O		161	144	152	NR	NR	NR	206	170	190	232	176	194
21		R			R		162	138	150	NR	NR	NR	204	168	190	220	165	181
22							164	138	148	NR	NR	NR	217	167	184	215	157	176
23		D			D		152	143	147	NR	NR	NR	222	166	187	223	157	178
24							155	131	139	NR	NR	NR	221	172	190	223	165	181
25							150	131	142	NR	NR	NR	229	180	196	217	167	187
26							156	140	146	NR	NR	NR	224	187	195	205	170	181
27							158	135	146	NR	NR	NR	218	175	194	220	172	187
28							153	132	143	NR	NR	NR	203	168	199	205	165	181
29							156	129	141	179	134	150	207	170	186	200	147	170
30							151	131	138	174	138	157	208	176	188	148	145	145
31										166	145	156	209	171	185			

NR - No record
> - Reading exceeds recorder's maximum range

TABLE D-9 (Cont.)

DAILY MAXIMUM, MINIMUM, AND AVERAGE SPECIFIC CONDUCTANCE

AO 2420.00 SACRAMENTO RIVER AT COLUSA

(October 1, 1971, through September 30, 1972)

(In Micromhos at 25° C)

Day	October			November			December			January			February			March		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	152	151	151	127	126	126	150	145	147	152	152	152	154	150	152	177	150	163
2	152	152	152	126	126	126	152	150	151	152	152	152	157	154	156	155	150	152
3	153	151	152	126	126	126	152	150	151	152	152	152	164	157	160	165	155	160
4	152	148	150	127	125	126	150	146	148	152	152	152	168	165	166	165	143	154
5	148	146	147	128	126	127	146	145	145	152	152	152	172	168	170	143	137	140
6	146	146	146	128	128	128	148	146	147	152	151	151	174	172	173	138	134	136
7	146	145	145	128	128	128	150	147	149	152	151	151	180	174	177	134	134	134
8	146	145	145	128	128	128	150	147	148	151	150	150	200	180	190	135	134	134
9	145	145	145	128	128	128	150	150	150	152	150	151	202	192	197	137	136	136
10	145	145	145	128	128	128	152	150	151	152	150	151	195	192	193	137	137	137
11	146	145	145	132	128	130	152	151	151	153	151	152	204	195	199	137	137	137
12	148	146	147	131	129	130	152	150	151	152	151	151	204	174	189	138	136	137
13	150	148	149	130	128	129	150	147	148	152	150	151	174	172	173	138	134	136
14	150	150	150	130	128	129	149	147	148	155	152	153	175	172	173	134	134	134
15	152	150	151	130	128	129	152	149	150	155	155	155	182	175	178	136	134	135
16	150	148	149	135	130	132	152	150	151	156	155	155	180	175	177	136	132	134
17	150	148	149	137	135	136	152	150	151	156	156	156	180	175	177	134	132	133
18	148	146	147	132	132	132	152	149	150	156	156	156	175	162	168	134	132	133
19	148	145	146	134	132	133	151	150	150	157	156	156	172	160	166	132	132	132
20	148	145	146	132	132	132	146	145	145	157	155	156	165	158	161	136	132	134
21	145	145	145	135	132	133	147	146	146	155	155	155	160	156	158	145	138	141
22	147	145	146	137	135	136	149	147	148	155	155	155	160	156	158	150	145	147
23	150	146	148	138	136	137	147	126	136	155	124	139	154	152	153	155	150	152
24	148	148	148	138	136	137	126	112	119	124	114	119	158	150	154	150	146	148
25	148	148	148	140	139	139	144	117	130	132	114	123	168	155	161	150	148	149
26	148	148	148	142	140	141	144	141	142	136	132	134	172	158	165	148	146	147
27	148	148	148	144	142	143	142	138	140	137	136	136	172	162	167	148	146	147
28	127	125	126	144	142	143	145	140	142	137	137	137	172	165	168	150	148	149
29	126	126	126	144	142	143	150	145	147	140	137	138	172	165	168	152	152	152
30	126	126	126	145	143	144	152	150	151	140	138	139						NR
31	128	128	128				152	152	152	140	140	140						NR

Day	April			May			June			July			August			September		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1			NR	320	312	316			NR	150	150	150	139	138	138	246	222	234
2			NR	315	290	302			NR	150	150	150	138	138	138	272	246	259
3	145	135	140	290	238	264			NR	150	148	149	138	138	138	293	272	282
4	160	145	152	270	230	250			NR	148	148	148	138	136	137	295	133	214
5	172	160	166	305	270	283			NR	150	148	149	138	136	137	133	131	132
6	175	172	173	305	275	290			NR	150	150	150	142	138	140	132	131	131
7	182	175	178	295	275	285			NR	150	150	150	143	141	142	132	130	131
8	242	182	212	295	265	280			NR	150	150	150	145	143	144	132	128	130
9	272	243	257	265	200	232			NR	150	148	149	145	145	145	132	128	130
10	310	272	291	215	200	207			NR	150	148	149	148	145	146	138	132	135
11	348	310	329	210	175	190			NR	150	150	150	155	148	151	136	132	134
12	368	348	358	175	175	175	144	142	143	150	148	149	161	155	158	134	132	133
13	370	342	356	175	175	175	145	140	142	150	150	150	163	161	162	133	132	132
14	352	342	347	180	175	180	143	140	141	150	149	149	165	163	164	138	133	135
15	360	348	354	210	185	195	145	143	144	150	149	150	165	130	147	135	133	134
16	358	300	329	220	210	215	145	141	143	150	149	149	143	130	136	138	133	135
17	355	300	327	220	215	215	145	142	143	150	148	149	210	130	170	133	133	133
18	328	310	319	215	185	200	145	142	143	148	148	148	155	130	142	138	132	135
19	310	295	302	185	165	175	145	142	143	148	148	148	174	128	151	132	130	129
20	300	265	282	165	155	160	146	143	144	148	147	148	132	128	130	130	130	130
21	280	250	265	165	165	165	150	146	148	147	147	147	138	132	135	130	128	129
22	260	250	255	180	165	170	150	148	149	148	146	147	150	138	144	132	128	130
23	266	260	263	180	175	175	148	147	147	146	146	146	165	150	157	134	132	133
24	266	260	263	175	165	170	148	146	147	146	146	146	180	165	172	134	134	134
25	260	260	260	190	175	180	146	146	146	146	146	146	193	180	186	136	134	135
26	270	258	264	240	190	215	146	146	146	146	126	136	212	196	204	136	136	136
27	272	258	265	260	240	250	148	146	147	130	126	128	202	143	172	136	132	134
28	300	272	286	270	250	260	150	148	149	134	130	132	155	143	148	132	130	131
29	310	300	305	275	265	270	150	150	150	136	134	135	153	143	148	130	130	130
30	318	310	314	270	260	265	150	150	150	136	136	136	178	153	165	135	130	132
31						NR				140	136	138	195	172	183			

NR - No Record.

TABLE D-9 (Cont.)

DAILY MAXIMUM, MINIMUM, AND AVERAGE SPECIFIC CONDUCTANCE

AO 2947.10 COLUSA BASIN DRAIN NEAR KNIGHTS LANDING

(October 1, 1971, through September 30, 1972)

(In Micromhos at 25° C)

Day	October			November			December			January			February			March		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1				NR	NR	NR	700	700	700	940	940	940	1,205	1,205	1,205	1,350	1,350	1,350
2				NR	NR	NR	700	700	700	950	940	945	1,225	1,175	1,200	1,550	660	1,105
3				NR	NR	NR	700	700	700	940	940	940	1,275	1,225	1,250	560	400	480
4				NR	NR	NR	700	700	700	970	940	955	1,325	1,275	1,300	1,460	660	1,060
5				NR	NR	NR	700	700	700	980	970	975	1,325	1,325	1,325	1,050	580	815
6				NR	NR	NR	700	700	700	980	980	980	1,325	1,325	1,325	1,000	400	700
7				NR	NR	NR	700	700	700	1,000	980	990	1,365	1,325	1,345	780	400	590
8				760	760	760	700	700	700	1,020	1,000	1,010	1,385	1,365	1,375	1,025	390	705
9				770	760	765	720	700	710	1,040	1,020	1,030	1,385	1,385	1,385	1,300	390	845
10		N		770	770	770	720	720	720	1,075	1,040	1,050	1,385	1,385	1,385	1,350	1,300	1,325
11		O		770	770	770	720	720	720	1,075	1,075	1,075	1,425	1,385	1,405	1,385	1,300	1,340
12				770	760	765	720	710	715	1,075	1,075	1,075	1,485	1,425	1,450	1,385	1,175	1,280
13				760	720	740	710	680	695	1,140	1,075	1,110	1,485	1,485	1,485	1,175	560	865
14				720	690	700	680	670	675	1,200	1,140	1,170	1,485	1,485	1,485	1,025	430	725
15		R		690	690	690	680	680	680	1,225	1,200	1,215	1,485	1,485	1,485	1,325	715	1,020
16		E		690	690	690	740	680	710	1,250	1,225	1,235	1,485	1,485	1,485	1,425	1,160	1,290
17				690	680	685	770	740	755	1,300	1,250	1,275	1,485	1,480	1,480	1,425	960	1,195
18		C		680	680	680	800	770	785	1,350	1,300	1,325	1,490	1,480	1,485	1,350	960	1,165
19				680	680	680	840	800	820	1,350	1,350	1,350	1,500	1,490	1,495	1,375	1,015	1,195
20		O		685	680	680	870	840	855	1,350	1,175	1,262	1,500	1,500	1,500	1,425	1,015	1,220
21		R		690	680	685	870	870	870	1,175	1,025	1,110	1,530	1,500	1,515	1,425	1,125	1,280
22				690	690	690	870	850	860	1,025	1,025	1,025	1,530	1,530	1,530	1,125	925	1,050
23		D		690	690	690	870	870	870	1,025	1,025	1,025	1,530	1,530	1,530	925	780	850
24				690	690	690	870	640	755	1,025	880	950	1,540	1,525	1,530	780	600	690
25				690	690	690	940	870	905	900	485	690	1,540	1,540	1,540	600	560	580
26				700	690	695	980	940	960	1,050	620	835	1,570	1,540	1,555	560	540	550
27				700	700	700	1,025	980	1,000	1,100	1,050	1,075	1,570	1,570	1,570	540	500	520
28				700	700	700	1,025	950	985	1,125	1,100	1,110	1,570	840	1,205	500	480	490
29				700	700	700	950	950	950	1,205	1,125	1,165	1,540	1,460	1,500	480	475	480
30				700	700	700	950	940	945	1,205	1,205	1,205				475	420	445
31							940	940	940	1,205	1,205	1,205				420	420	420

Day	April			May			June			July			August			September		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	425	420	420	670	580	625	NR	NR	NR	615	615	615	580	580	580	600	580	590
2	425	425	425	580	555	565	NR	NR	NR	615	615	615	580	580	580	600	600	600
3	425	400	415	555	555	555	NR	NR	NR	620	615	615	580	580	580	600	600	600
4	420	400	410	555	555	555	NR	NR	NR	635	620	630	580	580	580	600	600	600
5	400	400	400	555	540	545	NR	NR	NR	655	635	640	590	580	585	600	600	600
6	400	400	400	610	540	575	NR	NR	NR	655	655	655	590	590	590	600	600	600
7	430	400	415	610	565	585	NR	NR	NR	655	655	655	590	590	590	600	600	600
8	430	430	430	565	535	545	NR	NR	NR	655	655	655	590	590	590	600	600	600
9	430	430	430	535	460	495	NR	NR	NR	655	655	655	590	590	590	600	580	590
10	430	430	430	460	460	460	NR	NR	NR	655	655	655	595	595	595	575	540	555
11	430	430	430	460	460	460	NR	NR	NR	655	655	655	595	595	595	540	540	540
12	430	425	430	460	460	460	NR	NR	NR	655	655	655	615	600	610	540	540	540
13	445	425	435	460	460	460	680	645	660	655	650	650	615	615	615	540	520	530
14	460	445	450	460	460	460	645	645	645	650	650	650	615	615	615	520	510	515
15	500	460	480	480	460	470	645	615	630	650	640	645	615	615	615	515	515	515
16	520	500	510	490	480	485	615	615	615	640	640	640	615	615	615	515	515	515
17	520	520	520	500	490	495	615	615	615	640	640	640	625	615	620	515	515	515
18	520	500	510	520	500	510	615	615	615	640	640	640	625	625	625	515	515	515
19	500	500	500	530	520	525	615	615	615	640	640	640	625	625	625	515	500	510
20	500	500	500	530	530	530	615	615	615	640	640	640	620	600	610	500	500	500
21	500	500	500	530	530	530	615	615	615	640	640	640	600	600	600	500	500	500
22	495	495	495	530	485	510	620	615	620	655	640	650	600	600	600	540	510	525
23	495	465	480	485	465	475	620	620	620	655	655	655	600	600	600	540	540	540
24	465	465	465	465	465	465	635	620	625	655	645	650	600	575	585	560	540	550
25	465	465	465	465	465	465	635	635	635	645	625	635	575	575	575	560	560	560
26	475	465	470	505	465	485	655	635	640	620	560	590	575	575	575	580	560	570
27	475	475	475	515	505	510	655	655	655	580	580	580	575	575	575	580	580	580
28	480	475	475	540	515	525	655	655	655	580	580	580	575	575	575	580	580	580
29	490	480	485	560	540	550	645	645	645	580	580	580	575	575	575	580	580	580
30	610	490	550	580	560	570	645	615	630	580	580	580	580	580	580	550	550	550
31						NR				580	580	580	580	580	580			

NR - No record.

TABLE D-9 (Cont.)

DAILY MAXIMUM, MINIMUM, AND AVERAGE SPECIFIC CONDUCTANCE

AO 5911.01 SUTTER BYPASS AT HIGHWAY 113 NEAR ROBBINS

(October 1, 1971, through September 30, 1972)

(In Micromhos at 25° C

Day	October			November			December			January			February			March		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1						NR	360	360	360	275	270	272	285	285	285	170	170	170
2						NR	360	320	340	280	275	277	310	280	295	170	170	170
3						NR	340	340	340	380	290	335	315	315	315	170	165	167
4						NR	350	340	345	380	320	350	315	315	315	165	125	145
5						NR	350	350	350	380	380	380	315	315	315	127	122	124
6						NR	370	350	360	390	380	385	320	315	317	140	140	140
7						NR	370	370	370	400	380	390	320	320	320	140	130	135
8						NR	370	370	370	410	400	405	320	320	320	130	127	128
9						NR	370	370	370	410	410	410	320	320	320	140	130	135
10		N				NR	370	370	370	420	410	415	320	320	320	150	135	142
11		O				NR	370	370	370	420	415	417	320	320	320	170	150	160
12						NR	370	330	350	420	420	420	320	320	320	180	170	175
13						NR	330	330	330	420	420	420	320	320	320	200	180	190
14						NR	330	330	330	420	420	420	320	320	320	180	180	180
15		R		300	290	295	330	330	330	420	420	420	320	320	320	200	180	190
16		E		320	300	310	330	330	330	430	420	425	320	320	320	200	195	197
17				320	320	320	330	330	330	440	430	435	320	320	320	200	185	192
18		C		340	320	330	330	330	330	440	440	440	320	320	320	190	185	187
19				340	330	335	340	330	335	445	440	442	320	320	320	190	190	190
20		O		330	330	330	335	335	335	445	445	445	320	320	320	190	190	190
21		R		330	330	330			NR	445	445	445	320	320	320	200	190	195
22				330	330	330			NR	440	430	435	320	320	320	205	200	202
23		D		330	325	327			NR	440	380	410	320	320	320	230	210	220
24				325	320	323			NR	380	370	375	320	250	285	235	225	230
25				320	320	320			NR	370	370	370	260	255	257	230	230	230
26				350	320	335			NR	370	330	350	260	260	260	240	230	235
27				360	340	350			NR	330	250	290	250	235	242	240	230	235
28				350	330	340			NR	250	220	235	240	220	230	230	220	225
29				360	350	355	260	260	260	250	230	240	220	170	195	220	220	220
30				360	360	360	270	260	265	250	240	245				220	220	220
31							280	270	265	270	250	260				220	220	220

Day	April			May			June			July			August			September		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	220	220	220	270	265	267	380	380	380	460	450	455	520	510	515	500	500	500
2	220	205	212	270	270	270	390	380	385	480	460	470	530	520	525	520	500	510
3	210	205	207	270	270	270	400	390	395	480	480	480	520	520	520	540	520	530
4	215	210	212	270	270	270	405	400	402	480	480	480	520	520	520	540	540	540
5	215	215	215	270	270	270	420	405	412	480	480	480	540	520	530	540	520	530
6	220	215	217	270	270	270	420	420	420	480	470	475	540	540	540	520	520	520
7	220	200	210	270	270	270	420	420	420	480	470	475	540	540	540	520	480	500
8	200	190	195	270	270	270	420	420	420	500	480	490	540	540	540	480	480	480
9	190	190	190	270	270	270	440	420	430	500	440	470	540	540	540	480	480	480
10	190	170	180	330	320	325	440	440	440	440	440	440	540	540	540	480	480	480
11	170	170	170	330	330	330	440	440	440	440	440	440	550	540	545	480	480	480
12	170	170	170	330	320	325	440	430	435	460	440	450	560	550	555	480	480	480
13	175	170	172	320	320	320	420	390	405	520	460	490	580	560	570	480	480	480
14	175	175	175	320	320	320	420	400	410	520	520	520	580	580	580	480	480	480
15	170	170	170	320	320	320	440	425	432	560	540	550	580	570	575	480	480	480
16	170	170	170	330	320	325	460	440	450	540	540	540	570	560	565	480	480	480
17	170	155	162	330	320	325	440	440	440	540	520	530	560	560	560	480	480	480
18	170	160	165	330	330	330	460	440	450	540	520	530	560	560	560	480	480	480
19	190	170	180	340	330	335	480	460	470	550	540	545	560	560	560	480	440	460
20	210	195	202	340	340	340	480	480	480	560	550	555	560	560	560	470	440	455
21	220	210	215	340	330	335	480	480	480	560	560	560	560	560	560	450	440	445
22	260	220	240	330	300	315	480	470	475	560	540	550	560	560	560	440	440	440
23	265	260	262	330	320	310	470	460	465	540	540	540	560	560	560	440	440	440
24	265	265	265	330	330	330	460	460	460	540	540	540	570	560	565	460	440	450
25	265	265	265	340	330	335	460	440	450	540	540	540	560	560	560	450	430	440
26	265	265	265	335	335	335	440	440	440	540	480	510	570	560	565	440	430	435
27	265	265	265	335	335	335	440	440	440	480	480	480	565	565	565	440	440	440
28	265	265	265	350	335	342	440	440	440	480	480	480	560	500	530	440	440	440
29	265	265	265	365	350	357	450	440	445	480	480	480	500	490	495	450	440	445
30	265	265	265	380	365	372	460	450	455	520	480	500	500	500	500	465	450	457
31				390	380	385				520	510	515	500	500	500			

NR - No record

TABLE D-9 (Cont.)

DAILY MAXIMUM, MINIMUM, AND AVERAGE SPECIFIC CONDUCTANCE

AO 6120.00 YUBA RIVER AT MARYSVILLE

(October 1, 1971, through September 30, 1972)

(In Micromhos at 25° C)

Day	October			November			December			January			February			March		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	NR	NR	NR	NR	NR	NR	76	74	75	NR	NR	NR	80	78	80	NR	NR	NR
2	76	75	76	NR	NR	NR	76	74	75	NR	NR	NR	80	80	80	NR	NR	NR
3	76	75	76	76	76	76	76	74	75	NR	NR	NR	80	79	80	89	88	89
4	76	75	76	76	76	76	76	75	76	NR	NR	NR	81	80	80	88	85	87
5	76	75	76	76	76	76	76	74	75	NR	NR	NR	86	80	82	86	85	86
6	75	74	75	76	76	76	75	73	74	77	76	76	90	86	88	86	85	86
7	75	75	75	76	76	76	73	72	72	77	76	77	86	84	85	86	84	85
8	76	75	75	76	76	76	72	72	72	78	77	77	85	84	84	85	84	84
9	76	76	76	76	75	75	72	72	72	78	77	77	84	83	84	84	82	83
10	77	76	76	75	74	75	73	72	73	78	77	77	84	83	84	84	82	83
11	78	77	77	76	75	75	72	72	72	78	78	78	85	84	84	83	82	83
12	NR	NR	NR	76	76	76	75	70	72	79	78	78	85	84	85	83	81	82
13	NR	NR	NR	78	76	77	76	72	73	80	79	79	86	84	85	82	80	81
14	NR	NR	NR	78	76	77	72	72	72	80	79	79	86	85	85	81	80	80
15	NR	NR	NR	76	75	75	72	72	72	80	79	79	86	85	86	82	78	80
16	NR	NR	NR	75	74	75	72	71	72	80	79	80	87	86	86	NR	NR	NR
17	NR	NR	NR	75	74	75	71	71	71	80	80	80	86	85	86	NR	NR	NR
18	NR	NR	NR	75	74	74	71	70	71	80	80	80	87	85	86	NR	NR	NR
19	NR	NR	NR	75	74	74	71	70	71	80	80	80	90	87	89	NR	NR	NR
20	NR	NR	NR	75	74	74	71	70	71	81	80	80	90	89	90	NR	NR	NR
21	NR	NR	NR	75	74	75	71	71	71	84	81	82	NR	NR	NR	NR	NR	NR
22	NR	NR	NR	75	74	74	83	70	75	84	83	84	NR	NR	NR	NR	NR	NR
23	NR	NR	NR	75	74	75	83	78	81	86	82	84	NR	NR	NR	NR	NR	NR
24	NR	NR	NR	75	75	75	88	76	81	85	82	83	NR	NR	NR	NR	NR	NR
25	NR	NR	NR	75	74	75	87	78	81	84	83	84	NR	NR	NR	NR	NR	NR
26	NR	NR	NR	75	74	75	78	76	77	84	83	84	NR	NR	NR	NR	NR	NR
27	NR	NR	NR	75	74	75	NR	NR	NR	86	81	83	NR	NR	NR	78	74	76
28	NR	NR	NR	76	74	75	NR	NR	NR	86	77	82	NR	NR	NR	77	74	76
29	NR	NR	NR	76	75	75	NR	NR	NR	80	77	78	NR	NR	NR	77	72	75
30	NR	NR	NR	75	74	75	NR	NR	NR	80	78	78				77	70	74
31	NR	NR	NR				NR	NR	NR	80	78	79				77	72	74

Day	April			May			June			July			August			September		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	77	75	76	NR	NR	NR	82	80	81	86	81	83	73	72	73	73	72	73
2	80	76	78	NR	NR	NR	80	80	80	87	85	86	73	72	73	73	73	73
3	80	78	79	NR	NR	NR	81	80	80	88	86	87	73	73	73	73	73	73
4	80	78	79	NR	NR	NR	81	80	81	90	85	87	74	73	73	74	73	73
5	79	78	78	NR	NR	NR	81	81	81	80	86	87	74	73	73	74	73	74
6	82	79	81	NR	NR	NR	81	81	81	87	86	86	74	73	74	76	74	75
7	83	80	82	NR	NR	NR	81	81	81	87	86	87	74	73	74	77	76	76
8	83	80	82	NR	NR	NR	82	81	82	87	86	87	74	74	74	78	77	78
9	82	80	81	NR	NR	NR	82	81	82	87	86	86	74	74	74	78	77	78
10	82	80	81	NR	NR	NR	82	81	82	87	85	86	74	73	74	78	78	78
11	82	81	82	NR	NR	NR	83	81	82	87	78	82	74	73	74	79	78	78
12	82	81	82	NR	NR	NR	83	82	82	80	76	78	74	74	74	79	78	79
13	85	80	83	NR	NR	NR	83	81	82	79	78	78	74	73	74	79	78	79
14	85	83	84	NR	NR	NR	82	81	82	79	77	78	74	73	74	79	78	78
15	85	82	84	NR	NR	NR	82	81	82	77	76	76	74	74	74	80	78	79
16	85	81	84	NR	NR	NR	81	81	81	76	75	75	75	74	74	80	78	79
17	NR	NR	NR	NR	NR	NR	81	81	81	75	75	75	74	74	74	79	78	79
18	NR	NR	NR	NR	NR	NR	82	81	81	75	75	75	75	74	75	86	79	82
19	NR	NR	NR	NR	NR	NR	82	80	81	75	74	75	75	74	74	86	85	86
20	NR	NR	NR	80	79	80	82	81	81	75	74	75	75	74	75	86	85	86
21	NR	NR	NR	82	80	81	82	81	81	75	74	75	75	74	75	86	85	86
22	NR	NR	NR	83	82	82	82	81	81	75	73	74	75	74	74	86	85	86
23	NR	NR	NR	83	82	82	82	80	81	74	73	74	74	73	74	86	78	80
24	NR	NR	NR	83	82	82	81	80	81	74	73	73	74	73	74	86	78	80
25	NR	NR	NR	82	82	82	85	80	81	73	73	73	80	72	75	79	79	79
26	NR	NR	NR	82	82	82	84	81	82	73	73	73	73	73	73	80	79	80
27	NR	NR	NR	83	82	82	82	80	81	73	72	72	74	73	73	80	79	80
28	NR	NR	NR	83	81	81	82	81	82	72	71	72	73	72	72	81	80	81
29	NR	NR	NR	83	81	82	82	80	81	73	72	73	72	72	72	80	78	79
30	NR	NR	NR	83	81	82	82	80	81	73	72	73	72	72	72	78	77	78
31				83	80	81				73	72	73	72	72	72			

NR - No record

TABLE D-9 (Cont.)

DAILY MAXIMUM, MINIMUM, AND AVERAGE SPECIFIC CONDUCTANCE

AO 6550.00 BEAR RIVER NEAR WHEATLAND

(October 1, 1971, through September 30, 1972)

(In Micramhos at 25° C)

Day	October			November			December			January			February			March		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	NR	NR	NR	66	66	66	77	77	77	97	97	97	103	99	101	92	89	91
2	NR	NR	NR	67	66	66	77	76	77	98	97	98	101	90	98	92	84	88
3	NR	NR	NR	68	66	67	76	74	75	97	97	97	90	84	86	85	85	85
4	NR	NR	NR	69	67	68	74	69	71	99	97	98	84	82	83	85	85	85
5	NR	NR	NR	70	67	70	71	69	70	100	95	98	82	78	80	85	84	85
6	79	76	78	71	70	70	74	73	73	99	99	99	81	78	80	85	85	85
7	82	79	80	71	70	70	75	73	74	100	99	100	82	81	82	85	85	85
8	84	82	83	71	69	70	77	75	77	101	100	100	83	82	83	85	82	84
9	87	84	86	72	70	71	77	73	74	102	101	101	84	83	84	83	79	81
10	88	87	88	72	71	72	74	72	73	102	102	102	83	82	83	80	78	79
11	89	88	89	72	71	71	73	71	72	102	102	102	82	82	82	79	78	78
12	90	89	90	72	71	72	73	72	73	102	102	102	83	82	83	80	78	79
13	90	88	88	73	72	72	73	72	72	103	102	103	83	83	83	78	76	78
14	92	90	92	73	71	72	74	72	72	105	103	104	84	83	84	77	76	76
15	92	88	89	73	71	72	75	74	74	106	105	105	83	82	82	76	73	75
16	88	87	88	73	72	73	78	73	75	107	106	106	83	82	83	74	73	74
17	88	86	87	74	71	73	80	78	79	108	107	108	83	83	83	75	74	75
18	87	86	86	73	68	70	84	80	82	109	107	108	84	83	83	75	73	74
19	86	85	85	70	68	69	87	84	86	160	109	140	84	84	84	74	72	73
20	85	84	84	71	70	71	90	87	88	163	120	143	84	82	83	74	73	73
21	84	84	84	71	69	70	92	90	91	120	115	117	82	82	82	73	73	73
22	84	82	82	74	71	73	93	92	92	115	112	113	82	82	82	73	72	73
23	83	81	82	75	74	75	92	80	84	113	110	111	82	81	81	73	73	73
24	82	79	80	76	75	76	87	77	80	110	109	110	81	78	80	73	72	72
25	79	74	76	75	75	75	94	85	89	110	107	108	80	78	79	72	72	72
26	86	74	80	76	75	75	103	94	99	108	107	107	79	78	79	75	72	75
27	91	82	87	76	75	76	104	97	102	107	105	106	81	79	80	84	75	78
28	82	76	78	77	75	76	99	99	99	106	105	105	94	81	86	76	74	75
29	76	71	72	77	75	76	99	99	99	105	102	103	93	90	92	76	75	75
30	71	68	69	77	75	76	98	97	97	102	98	100				77	75	76
31	68	66	67				97	97	97	100	99	100				76	75	76

Day	April			May			June			July			August			September		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	75	75	75	111	100	104	152	135	143	141	135	139	135	130	132	152	148	150
2	77	75	76	138	110	120	156	152	154	141	138	140	132	130	131	156	151	154
3	83	75	78	137	120	129	156	150	153	142	140	141	134	132	133	155	145	149
4	103	83	88	155	133	145	157	154	155	142	141	142	135	132	133	152	147	150
5	90	78	81	154	135	142	158	151	154	142	135	140	133	132	132	NR	NR	NR
6	78	76	77	143	129	135	160	152	155	138	133	135	133	128	130	NR	NR	NR
7	76	76	76	135	117	122	160	156	159	140	136	138	131	128	130	NR	NR	NR
8	76	75	76	128	117	120	160	154	156	138	136	137	129	125	127	NR	NR	NR
9	77	76	77	149	126	137	158	152	156	139	136	138	130	125	127	NR	NR	NR
10	77	76	77	153	147	150	155	152	154	138	135	137	130	127	128	NR	NR	NR
11	78	77	77	162	153	157	156	155	155	140	135	138	130	126	128	NR	NR	NR
12	77	77	77	160	155	158	156	154	155	142	140	141	129	122	125	NR	NR	NR
13	81	77	78	173	158	165	157	143	150	145	142	143	127	120	122	NR	NR	NR
14	83	81	82	166	155	160	147	140	144	146	144	145	125	119	122	NR	NR	NR
15	83	83	83	163	155	160	149	142	145	146	144	145	127	119	122	NR	NR	NR
16	83	83	83	159	150	154	149	146	147	148	145	147	130	125	128	NR	NR	NR
17	83	82	83	157	151	154	150	147	148	148	146	147	134	129	130	NR	NR	NR
18	86	82	84	164	153	158	150	144	147	149	147	148	134	130	132	NR	NR	NR
19	86	84	85	160	149	155	148	146	147	149	147	148	133	131	132	NR	NR	NR
20	86	85	85	154	145	150	150	146	148	148	133	140	134	129	130	NR	NR	NR
21	89	85	87	146	140	142	150	143	146	136	130	133	132	122	130	NR	NR	NR
22	92	88	90	144	130	137	145	144	145	138	130	135	129	122	125	NR	NR	NR
23	93	90	92	148	131	137	147	145	146	138	132	135	132	127	130	NR	NR	NR
24	95	89	93	148	129	136	147	145	146	137	132	135	137	128	135	NR	NR	NR
25	90	88	89	138	106	116	146	145	145	140	137	139	139	131	135	NR	NR	NR
26	94	89	92	109	90	100	146	144	145	140	138	139	143	138	140	NR	NR	NR
27	95	94	95	95	90	93	145	142	143	139	138	138	143	139	140	NR	NR	NR
28	97	94	96	98	91	94	144	142	143	138	138	138	142	138	140	NR	NR	NR
29	106	95	99	104	94	98	143	140	142	139	138	139	138	132	134	NR	NR	NR
30	110	98	104	109	100	103	142	140	141	139	134	136	144	137	141	NR	NR	NR
31				136	107	122				138	133	135	148	144	146			

NR - No record

TABLE D-9 (Cont.)

DAILY MAXIMUM, MINIMUM, AND AVERAGE SPECIFIC CONDUCTANCE

A6 1265.00 SQUIRREL CREEK NEAR PENN VALLEY

(October 1, 1971, through September 30, 1972)

(In Micromhos at 25° C)

Day	October			November			December			January			February			March		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1																		
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		
25																		
26																		
27																		
28																		
29																		
30																		
31																		

Day	April			May			June			July			August			September		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1													85	73	80	79	71	75
2													85	74	80	81	74	78
3													85	76	81	81	74	78
4													83	74	79	83	80	82
5													80	73	77	83	79	81
6													78	70	74	83	77	80
7													78	70	74	91	77	83
8													80	70	74	98	79	90
9													78	70	74	99	85	92
10													77	74	76	98	83	87
11													78	74	77	87	78	81
12													80	72	75	87	80	83
13													78	74	76	86	80	83
14													78	74	76	88	78	83
15													78	75	76	86	78	83
16													76	73	75	90	79	83
17													76	73	75	90	81	86
18										76	70	72	76	73	75	90	85	88
19										72	70	71	77	73	75	87	81	84
20										72	70	71	77	74	76	82	79	80
21										72	70	71	77	73	75	81	79	80
22										72	69	70	77	72	75	81	79	80
23										76	71	73	76	71	74	82	79	81
24										78	73	75	76	72	74	83	79	81
25										79	74	76	76	71	74	83	78	81
26										80	74	77	76	71	74	118	82	105
27										81	75	78	76	71	74	130	111	119
28										81	73	78	76	72	75	122	108	115
29										82	72	78	76	74	75	119	110	115
30										85	74	81	77	71	74	118	107	113
31										85	75	81	78	71	73			

Recorder installed July 17, 1972

TABLE D-9 (Cont.)

DAILY MAXIMUM, MINIMUM, AND AVERAGE SPECIFIC CONDUCTANCE

AO 7140.10 AMERICAN RIVER AT SACRAMENTO WATER PLANT
(October 1, 1971, through September 30, 1972)

(In Micramhos at 25° C)

Day	October			November			December			January			February			March		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	NR	NR	NR	52	48	50	55	52	53	60	58	59	55	53	54	61	57	60
2	NR	NR	NR	52	49	50	55	51	53	61	59	60	54	52	53	62	58	60
3	NR	NR	NR	52	49	51	54	50	52	62	60	60	53	51	52	62	57	59
4	NR	NR	NR	52	49	51	54	49	52	61	55	57	54	52	53	60	58	59
5	NR	NR	NR	52	49	51	54	50	52	58	56	58	56	52	54	61	57	59
6	NR	NR	NR	53	49	51	54	50	52	59	57	58	57	54	55	60	57	59
7	50	46	48	53	49	51	54	50	52	60	57	59	58	55	56	60	57	58
8	NR	NR	NR	53	48	52	55	51	52	62	56	59	56	54	55	60	57	59
9	54	48	50	53	48	51	55	51	53	62	58	61	56	54	55	60	57	59
10	50	48	49	52	49	51	54	51	53	62	58	60	57	54	56	60	58	60
11	54	48	50	52	49	51	54	52	53	61	57	60	56	54	55	60	58	60
12	53	48	50	53	49	51	57	53	56	60	59	57	57	54	55	60	58	59
13	51	48	49	52	48	50	57	53	55	58	54	57	57	54	56	60	58	59
14	51	47	48	53	48	51	56	53	54	56	54	55	57	54	55	60	58	60
15	50	48	49	53	49	52	55	52	53	58	54	56	57	54	56	61	58	60
16	52	47	49	53	49	51	55	52	53	59	55	58	57	54	56	62	59	61
17	52	46	50	53	48	50	55	51	53	60	55	58	58	54	56	62	58	61
18	52	48	50	50	48	50	54	50	53	58	55	57	58	55	56	63	59	61
19	51	47	49	52	48	50	54	50	53	59	56	58	57	54	56	64	58	62
20	51	47	50	52	48	50	53	50	51	59	56	58	58	54	57	64	59	62
21	51	47	50	53	48	51	53	50	52	59	56	58	59	55	58	64	59	62
22	51	48	50	53	49	52	55	52	53	60	56	59	60	56	58	63	60	61
23	51	48	50	54	50	52	56	51	54	61	57	60	59	56	58	63	60	62
24	51	47	49	54	51	53	57	53	56	62	58	60	60	57	59	64	59	62
25	51	47	50	56	52	54	58	54	57	61	58	60	61	57	60	64	59	62
26	52	48	50	56	52	54	60	55	58	61	57	59	60	56	59	64	59	62
27	51	47	49	56	51	53	60	56	58	60	56	58	61	56	59	66	60	64
28	50	46	48	54	50	52	59	52	54	60	55	58	62	57	60	67	61	65
29	51	47	49	56	51	53	56	52	53	58	55	56	62	58	60	66	62	65
30	52	48	50	55	52	54	58	55	57	56	54	55				70	62	66
31	52	48	50				59	57	58	56	53	55				78	70	75

Day	April			May			June			July			August			September		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	76	66	73	70	64	67	64	59	62	NR	NR	NR	56	54	55	54	51	53
2	73	65	70	69	62	67	63	59	61	NR	NR	NR	57	54	55	54	51	53
3	72	65	70	72	66	69	62	58	61	NR	NR	NR	56	53	55	54	50	52
4	74	66	69	72	66	70	62	57	60	NR	NR	NR	55	53	54	55	50	52
5	71	66	69	72	66	70	62	58	60	NR	NR	NR	55	52	54	55	51	53
6	70	65	68	71	64	69	61	58	60	NR	NR	NR	55	52	54	55	51	53
7	70	64	68	72	64	69	62	58	60	NR	NR	NR	54	51	53	55	51	53
8	70	63	68	72	65	69	64	58	61	NR	NR	NR	55	52	54	54	51	53
9	70	63	67	70	64	68	65	60	63	NR	NR	NR	54	52	53	54	50	53
10	70	62	67	69	63	67	65	59	62	NR	NR	NR	54	51	53	54	50	52
11	74	63	66	69	63	67	63	58	62	NR	NR	NR	54	52	53	54	50	53
12	69	63	66	70	63	67	62	58	61	NR	NR	NR	54	51	53	54	50	53
13	68	63	67	69	62	68	66	60	63	NR	NR	NR	54	51	53	54	50	53
14	69	64	67	69	62	67	67	61	64	NR	NR	NR	54	52	53	54	50	53
15	70	64	67	69	63	67	66	61	64	NR	NR	NR	54	51	53	54	50	53
16	70	63	67	70	64	67	66	60	64	NR	NR	NR	55	52	54	54	50	53
17	70	63	67	70	64	68	66	58	62	NR	NR	NR	55	53	54	55	50	53
18	68	62	66	70	64	68	62	57	61	NR	NR	NR	55	52	53	55	51	53
19	68	63	66	70	64	69	62	58	60	NR	NR	NR	55	52	53	54	50	53
20	68	62	66	70	64	68	62	57	60	NR	NR	NR	55	51	53	54	50	53
21	68	62	66	70	63	68	62	58	60	NR	NR	NR	55	52	53	54	50	53
22	68	62	67	70	64	68	62	56	60	58	54	57	55	51	53	54	50	53
23	69	62	67	70	63	68	NR	NR	NR	58	55	57	54	51	53	53	49	52
24	69	63	67	69	63	67	NR	NR	NR	58	55	57	54	51	53	54	50	52
25	68	62	65	70	64	68	NR	NR	NR	57	54	56	54	51	53	54	51	53
26	68	63	66	70	63	67	NR	NR	NR	58	54	57	54	52	53	56	52	54
27	70	65	68	68	62	66	NR	NR	NR	58	54	56	NR	NR	NR	54	51	53
28	70	63	68	67	62	65	NR	NR	NR	57	54	56	55	52	54	55	51	53
29	68	63	67	68	62	66	NR	NR	NR	57	54	56	55	51	54	54	51	53
30	68	63	67	69	62	67	NR	NR	NR	57	53	55	58	52	55	55	50	53
31				58	60	63				56	54	55	57	52	55			

NR - No record

TABLE D-9 (Cont.)

DAILY MAXIMUM, MINIMUM, AND AVERAGE SPECIFIC CONDUCTANCE

A8 1120.00 CACHE CREEK NEAR CAPAY

(October 1, 1971, through September 30, 1972)

(In Micromhos at 25° C)

Day	October			November			December			January			February			March		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	385	370	375	595	580	590	750	750	750	820	720	720	640	620	630	375	345	355
2	410	385	395	605	595	600	750	750	750	1,090	700	865	635	625	630	365	345	355
3	415	410	415	610	605	610	760	750	755	710	640	675	625	625	625	365	360	365
4	415	415	415	640	610	620	865	760	815	670	650	660	625	625	625	360	340	350
5	420	415	415	660	600	630	875	865	870	670	660	670	710	620	640	355	340	345
6	420	420	420	680	610	635	885	875	875	670	660	670	620	510	545	380	355	375
7	425	420	425	675	615	650	895	885	890	690	670	680	510	490	495	400	380	390
8	425	415	420	685	665	675	895	895	895	715	690	700	515	500	505	420	400	410
9	420	420	420	685	665	675	920	890	905	735	715	725	530	515	520	440	425	435
10	425	420	425	685	655	665	920	920	920	735	735	735	540	530	535	455	440	450
11	425	425	425	685	665	675	920	900	915	745	735	740	545	540	540	470	455	460
12	425	425	425	685	685	685	900	880	885	745	735	740	565	545	555	485	475	480
13	430	425	430	680	670	675	910	880	900	750	735	745	580	565	575	505	490	500
14	440	430	435	670	670	670	1,010	910	945	785	755	765	590	580	585	520	505	515
15	445	440	440	680	670	675	1,020	1,000	1,010	790	780	785	590	580	585	535	520	530
16	450	445	450	695	675	685	1,000	920	960	800	790	795	590	580	585	550	535	545
17	455	450	455	715	695	700	920	910	915	800	800	800	590	580	585	550	540	545
18	475	455	465	715	715	715	910	890	895	810	800	805	600	590	595	550	540	545
19	495	475	485	715	705	715	890	870	875	810	800	810	600	600	600	560	550	555
20	505	495	500	715	705	715	870	860	865	800	800	800	620	600	610	575	560	570
21	505	505	505	725	715	720	870	860	865	810	800	805	630	620	625	580	575	575
22	520	495	515	725	725	725	990	820	855	820	780	810	650	620	640	590	580	585
23	525	520	520	725	725	725	920	730	900	780	380	680	640	630	640	595	590	595
24	525	525	525	725	725	725	730	595	615	380	295	320	630	370	460	595	590	590
25	550	525	540	725	725	725	685	570	620	420	365	405	370	335	345	590	575	585
26	560	550	555	725	725	725	580	500	555	455	420	435	345	335	340	585	580	585
27	565	560	565	725	725	725	730	500	600	560	455	505	365	345	350	585	585	585
28	570	565	570	735	725	730	630	530	620	550	530	540	380	355	370	600	585	590
29	575	570	575	735	735	735	670	610	635	590	550	570	385	375	380	605	600	605
30	580	575	580	750	735	745	700	670	680	610	590	605				590	570	580
31	580	580	580				825	700	765	620	610	615				570	520	545

Day	April			May			June			July			August			September		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	520	510	510	385	385	385	355	345	350	310	305	305	675	660	670	NF	NF	NF
2	510	510	510	385	385	385	355	345	350	305	300	300	670	650	665	NF	NF	NF
3	510	505	505	385	380	380	355	350	350	305	300	305	705	635	665	NF	NF	NF
4	505	500	505	380	370	375	350	345	350	315	305	310	710	640	680	NF	NF	NF
5	500	485	490	370	370	370	345	340	340	315	310	315	710	630	675	NF	NF	NF
6	485	475	480	370	365	370	340	340	340	315	310	315	705	645	675	NF	NF	NF
7	475	465	470	365	365	365	340	340	340	315	315	315	710	650	680	NF	NF	NF
8	470	465	465	365	365	365	340	340	340	315	315	315	730	665	690	NF	NF	NF
9	490	465	480	365	365	365	360	340	350	320	310	315	725	680	695	NF	NF	NF
10	500	490	495	365	365	365	360	360	360	310	310	310	735	700	720	NF	NF	NF
11	495	470	485	365	360	360	360	355	355	310	310	310	735	685	715	NF	NF	NF
12	470	455	460	360	360	360	355	355	355	310	305	310	745	675	725	NF	NF	NF
13	455	415	445	360	360	360	355	350	355	305	305	305	775	715	745	NF	NF	NF
14	435	415	425	365	360	360	355	335	345	305	305	305	785	735	755	NF	NF	NF
15	440	435	440	365	360	365	335	320	325	305	305	305	785	715	755	NF	NF	NF
16	450	440	445	360	360	360	320	315	315	315	305	310	785	745	775	NF	NF	NF
17	455	450	455	360	355	355	315	305	310	320	315	315	815	675	755	NF	NF	NF
18	455	445	450	355	355	355	310	305	310	390	315	350	785	705	765	NF	NF	NF
19	450	430	440	355	350	350	320	305	310	450	390	420	795	725	765	NF	NF	NF
20	430	425	425	360	350	355	340	320	330	490	450	470	785	615	735	NF	NF	NF
21	425	425	425	370	355	360	345	325	330	505	495	500	NF	NF	NF	NF	NF	NF
22	425	420	420	395	370	385	360	340	350	525	505	515	NF	NF	NF	NF	NF	NF
23	420	420	420	410	395	405	355	355	355	545	525	535	NF	NF	NF	NF	NF	NF
24	425	420	425	410	405	405	360	350	355	565	545	555	NF	NF	NF	NF	NF	NF
25	435	425	430	405	400	405	365	330	350	590	570	580	NF	NF	NF	NF	NF	NF
26	430	430	430	400	390	395	330	325	325	600	590	595	NF	NF	NF	NF	NF	NF
27	430	415	420	390	380	385	325	325	325	620	600	610	NF	NF	NF	NF	NF	NF
28	415	405	411	385	380	380	325	320	320	630	625	630	NF	NF	NF	NF	NF	NF
29	415	390	390	385	380	380	320	315	315	650	630	640	NF	NF	NF	1,000	870	950
30	385	385	385	380	370	370	315	310	310	670	645	660	NF	NF	NF	980	870	940
31	385	385	385	370	360	365				680	660	670	NF	NF	NF			

NF - No flow

TABLE D-9 (Cont.)

DAILY MAXIMUM, MINIMUM, AND AVERAGE SPECIFIC CONDUCTANCE

BO 2105.00 MOKELUMNE RIVER AT WOODBRIDGE

(October 1, 1971, through September 30, 1972)

(In Micramhos at 25° C)

Day	October			November			December			January			February			March		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	46	46	46	46	46	46	49	49	49	54	49	50	50	50	50	51	50	50
2	46	46	46	46	46	46	52	49	49	49	49	49	50	50	50	55	50	52
3	47	46	46	48	46	47	54	51	52	49	49	49	50	50	50	55	51	53
4	47	46	46	50	48	49	54	51	52	49	49	49	50	50	50	52	51	51
5	47	46	46	50	50	50	52	52	52	48	48	48	50	50	50	52	52	52
6	47	46	47	50	50	50	52	51	52	45	45	45	50	50	50	52	52	52
7	47	47	47	50	50	50	52	51	52	45	45	45	50	50	50	52	51	51
8	47	47	47	50	50	50	51	51	51	45	45	45	59	50	52	52	51	52
9	48	47	47	50	50	50	51	50	51	45	45	45	59	59	59	52	50	51
10	48	48	48	50	50	50	50	50	50	45	45	45	59	58	58	53	50	52
11	48	48	48	52	50	50	51	50	50	45	45	45	58	55	56	63	51	53
12	48	48	48	54	51	52	53	50	51	45	45	45	55	53	54	NR	NR	NR
13	48	48	48	53	51	52	53	51	51	45	45	45	54	52	53	NR	NR	NR
14	48	48	48	51	51	51	50	50	50	45	45	45	52	51	51	58	52	54
15	48	48	48	51	50	50	51	50	50	45	45	45	54	51	52	53	52	52
16	48	48	48	51	50	51	50	50	50	45	45	45	53	51	52	53	51	52
17	48	48	48	51	50	50	51	50	50	45	45	45	51	50	50	51	50	50
18	48	48	48	50	50	50	51	50	50	45	45	45	51	50	51	50	49	49
19	48	48	48	52	48	50	50	50	50	47	45	46	51	50	50	49	48	48
20	48	48	48	49	49	49	50	50	50	48	47	47	50	50	50	48	47	47
21	48	48	48	49	48	49	51	49	50	47	47	47	50	50	50	47	46	47
22	48	48	48	48	48	48	49	49	49	47	47	47	51	50	50	46	45	46
23	48	48	48	48	47	48	50	49	49	47	47	47	51	50	50	45	44	45
24	48	48	48	49	48	48	50	50	50	47	47	47	52	50	51	45	44	45
25	48	48	48	49	48	49	51	50	51	47	47	47	54	51	52	45	44	45
26	48	48	48	49	48	49	50	50	50	48	47	48	52	49	50	45	45	45
27	48	48	48	49	49	49	70	50	64	48	48	48	49	49	49	45	45	45
28	48	48	48	51	49	49	70	55	61	49	48	49	49	49	49	45	45	45
29	48	48	48	49	49	49	55	54	55	49	49	49	51	49	50	45	45	45
30	46	46	46	49	49	49	61	55	59	50	49	50				45	45	45
31	46	46	46				61	54	59	50	50	50				45	45	45

Day	April			May			June			July			August			September		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	45	45	45	NR	NR	NR	46	46	46	45	45	45	48	48	48	50	50	50
2	45	45	45	NR	NR	NR	46	46	46	45	45	45	49	48	48	50	50	50
3	45	45	45	46	46	46	46	46	46	45	45	45	49	49	49	50	50	50
4	45	45	45	46	45	45	46	46	46	45	45	45	49	48	48	50	50	50
5	46	45	46	45	45	45	46	44	45	45	45	45	48	48	48	50	50	50
6	46	46	46	45	45	45	45	45	45	46	45	45	48	47	48	50	49	49
7	47	46	47	45	45	45	45	45	45	46	46	46	48	47	47	49	49	49
8	47	47	47	46	45	45	45	45	45	46	46	46	49	48	48	49	49	49
9	47	47	47	46	46	46	45	45	45	46	46	46	49	49	49	50	49	50
10	47	47	47	46	46	46	45	45	45	46	46	46	49	49	49	50	50	50
11	47	47	47	46	46	46	45	45	45	46	46	46	49	49	49	50	50	50
12	47	47	47	46	46	46	45	45	45	46	46	46	49	49	49	50	50	50
13	47	47	47	46	46	46	45	45	45	46	46	46	49	49	49	50	50	50
14	NR	NR	NR	46	46	46	45	45	45	46	46	46	49	49	49	50	50	50
15	NR	NR	NR	46	46	46	45	45	45	46	46	46	49	49	49	50	50	50
16	NR	NR	NR	46	46	46	45	45	45	46	46	46	49	49	49	50	50	50
17	NR	NR	NR	46	45	45	45	45	45	46	46	46	49	49	49	50	49	49
18	NR	NR	NR	46	45	45	45	45	45	46	46	46	49	49	49	49	49	49
19	NR	NR	NR	46	46	46	45	45	45	46	46	46	49	49	49	49	49	49
20	NR	NR	NR	46	46	46	45	45	45	47	46	46	49	49	49	49	49	49
21	NR	NR	NR	46	46	46	45	45	45	47	47	47	48	48	48	49	49	49
22	45 E	45 E	45 E	46	46	46	45	44	44	47	47	47	48	48	48	49	49	49
23	46 E	46 E	46 E	46	46	46	44	44	44	47	47	47	49	48	49	49	49	49
24	NR	NR	NR	46	46	46	44	44	44	47	47	47	49	49	49	49	49	49
25	NR	NR	NR	46	46	46	44	44	44	47	47	47	49	49	49	49	49	49
26	NR	NR	NR	46	46	46	45	44	44	47	47	47	49	49	49	49	49	49
27	NR	NR	NR	46	46	46	45	45	45	47	47	47	49	49	49	49	49	49
28	NR	NR	NR	46	46	46	45	45	45	48	47	47	49	49	49	50	49	49
29	NR	NR	NR	46	46	46	45	45	45	48	48	48	49	49	49	50	50	50
30	46 E	46 E	46 E	46	46	46	45	45	45	48	48	48	49	49	49	50	50	50
31				46	46	46				48	48	48	50	49	49			

NR - No record
E - Estimated

DAILY MAXIMUM, MINIMUM, AND AVERAGE SPECIFIC CONDUCTANCE

BO 2580.00 STOCKTON DIVERTING CANAL AT STOCKTON

(October 1, 1971, through September 30, 1972)

(In Micromhos at 25° C)

Day	October			November			December			January			February			March		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	210	204	208				NF	NF	NF	NR	NR	NR	230	213	220	NF	NF	NF
2	210	208	210				NF	NF	NF	NR	NR	NR	213	205	208	NF	NF	NF
3	211	210	210				NF	NF	NF	NR	NR	NR	205	200	202	NF	NF	NF
4	213	210	211				NF	NF	NF	NR	NR	NR	350	199	213	NF	NF	NF
5	213	208	210				NF	NF	NF	NF	NF	NF	260	200	215	NF	NF	NF
6	295	210	222				NF	NF	NF	NF	NF	NF	330	145	190	NF	NF	NF
7	218	213	215				NF	NF	NF	NF	NF	NF	186	162	175	NF	NF	NF
8	220	216	219				NF	NF	NF	NF	NF	NF	168	162	164	NF	NF	NF
9	221	219	220				NF	NF	NF	NF	NF	NF	177	168	172	NF	NF	NF
10	225	220	222				NF	NF	NF	270	210	235	184	177	181	NF	NF	NF
11	221	218	220		N		NF	NF	NF	242	213	223	197	189	193	NF	NF	NF
12	221	220	220				NF	NF	NF	215	206	206	203	197	200	NF	NF	NF
13	224	220	222		O		NF	NF	NF	207	200	205	220	193	197	269	250	262
14	228	224	226				NF	NF	NF	205	190	200	216	215	215	250	226	238
15	230	225	228				NF	NF	NF	195	189	190	222	216	218	226	210	218
16	NF	NF	NF		F		NF	NF	NF	194	193	194	222	213	218	NR	NR	NR
17	NF	NF	NF				NF	NF	NF	195	193	194	220	210	215	NF	NF	NF
18	NF	NF	NF		L		NF	NF	NF	202	197	199	220	210	215	252	231	238
19	NF	NF	NF				NF	NF	NF	205	202	203	222	215	218	NF	NF	NF
20	NF	NF	NF		O		NF	NF	NF	201	198	200	224	216	220	NF	NF	NF
21	NF	NF	NF		W		NF	NF	NF	202	200	201	226	220	224	NF	NF	NF
22	NF	NF	NF				NF	NF	NF	NR	NR	NR	415	225	235	NF	NF	NF
23	NF	NF	NF				NF	NF	NF	NR	NR	NR	230	225	228	NF	NF	NF
24	NF	NF	NF				NF	NF	NF	NR	NR	NR	232	230	231	NF	NF	NF
25	NF	NF	NF				NF	NF	NF	NR	NR	NR	235	232	234	NF	NF	NF
26	NF	NF	NF				230	218	222	NR	NR	NR	NF	NF	NF	NF	NF	NF
27	NF	NF	NF				242	218	222	490	165	210	NF	NF	NF	NF	NF	NF
28	NF	NF	NF				242	208	118	230	193	205	NF	NF	NF	NF	NF	NF
29	NF	NF	NF				NR	NR	NR	218	213	216	NF	NF	NF	NF	NF	NF
30	NF	NF	NF				NR	NR	NR	228	218	222				NF	NF	NF
31	NF	NF	NF				NR	NR	NR	230	225	228				NF	NF	NF

Day	April			May			June			July			August			September		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	890	200	270	NF	NF	NF
2	238	210	220	NF	NF	NF	NF	NF	NF	NF	NF	NF	210	199	206	NF	NF	NF
3	210	208	209	NF	NF	NF	NF	NF	NF	214	190	202	212	210	210	NF	NF	NF
4	211	208	210	NF	NF	NF	NF	NF	NF	NF	NF	NF	212	209	211	NF	NF	NF
5	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	211	203	206	NR	NR	NR
6	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	213	193	205	NR	NR	NR
7	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	208	191	203	219	215	216
8	NF	NF	NF	236	226	230	NF	NF	NF	NF	NF	NF	210	192	202	222	215	218
9	NF	NF	NF	NF	NF	NF	NF	NF	NF	230	197	215	210	191	200	222	215	218
10	NF	NF	NF	NF	NF	NF	NF	NF	NF	228	208	218	208	199	204	223	214	219
11	NF	NF	NF	NF	NF	NF	NF	NF	NF	224	217	220	209	192	202	222	215	220
12	NF	NF	NF	NF	NF	NF	NF	NF	NF	222	218	220	210	202	206	230	220	223
13	NF	NF	NF	NF	NF	NF	NF	NF	NF	224	218	220	216	210	212	225	220	223
14	NF	NF	NF	NF	NF	NF	NF	NF	NF	223	214	220	218	214	216	225	222	224
15	NF	NF	NF	NF	NF	NF	NF	NF	NF	250	202	225	214	210	213	224	220	222
16	NF	NF	NF	NF	NF	NF	NR	NR	NR	NF	NF	NF	214	210	213	220	218	218
17	NF	NF	NF	NF	NF		NF	NF	NF	230	212	220	230	210	218	220	216	218
18	NF	NF	NF	NF	NF	NF	226	215	220	224	213	218	236	214	226	225	220	222
19	NF	NF	NF	NF	NF	NF	228	220	224	NF	NF	NF	225	200	213	225	220	223
20	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	213	196	200	228	218	225
21	NF	NF	NF	NF	NF	NF	NF	NF	NF	212	204	208	212	208	209	228	219	225
22	NF	NF	NF	NF	NF	NF	NF	NF	NF	212	185	202	218	211	214	230	228	229
23	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	219	217	218	236	230	233
24	NF	NF	NF	NF	NF	NF	NF	NF	NF	212	186	200	219	215	218	237	232	235
25	NF	NF	NF	NF	NF	NF	NF	NF	NF	215	185	205	217	214	215	235	230	232
26	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NR	NR	NR	450	230	259
27	NF	NF	NF	NF	NF	NF	NF	NF	NF	224	206	215	NR	NR	NR	535	220	370
28	NF	NF	NF	NF	NF	NF	NF	NF	NF	222	190	212	NR	NR	NR	225	220	220
29	NF	NF	NF	NF	NF	NF	NF	NF	NF	219	183	197	NR	NR	NR	225	220	220
30	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NR	NR	NR	227	220	224
31				NF	NF	NF				211	200	207	NR	NR	NR			

NF - No flow .
NR - No record

TABLE D-9 (Cont.)

DAILY MAXIMUM, MINIMUM, AND AVERAGE SPECIFIC CONDUCTANCE

B1 1150.00 COSUMNES RIVER AT MICHIGAN BAR

(October 1, 1971, through September 30, 1972)

(In Micramhos at 25° C)

Day	October			November			December			January			February			March		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	86	84	82	77	75	76	64	64	64	110	108	109	108	103	106	70	64	66
2	86	82	84	83	76	78	65	64	64	108	107	108	105	102	104	65	64	64
3	83	80	81	85	82	84	67	64	66	108	105	106	103	99	102	66	65	66
4	80	77	79	85	83	84	68	67	67	106	104	105	101	98	100	65	59	62
5	80	76	78	83	78	81	74	68	71	106	102	104	114	78	94	59	58	59
6	78	75	76	80	77	78	74	74	74	104	101	103	114	94	102	56	56	56
7	77	75	76	78	76	77	75	74	74	101	99	99	107	101	105	55	53	54
8	78	76	77	78	76	77	74	73	73	100	98	99	109	106	108	53	52	52
9	78	76	77	79	77	78	73	70	71	100	98	99	109	107	108	52	52	52
10	77	76	77	81	79	80	71	70	71	100	98	99	107	106	107	52	51	52
11	77	75	76	82	81	81	71	69	70	99	98	99	106	105	105	53	51	52
12	78	75	77	81	75	80	70	69	69	99	98	99	105	102	103	55	51	53
13	78	76	77	77	68	73	72	69	71	99	98	99	103	101	102	52	52	52
14	78	76	77	68	65	66	78	72	73	100	98	99	101	98	99	52	52	52
15	87	77	79	68	65	66	85	78	83	98	97	98	99	95	97	52	52	52
16	85	77	80	69	66	67	85	83	84	98	97	97	95	93	94	54	51	53
17	80	76	78	72	67	68	84	82	83	97	96	97	93	91	92	52	51	52
18	78	77	77	70	69	70	82	81	82	97	95	96	92	91	91	51	49	50
19	79	76	77	71	70	71	82	81	81	95	94	95	91	90	90	49	48	49
20	78	76	77	73	71	72	81	80	80	94	92	93	90	85	87	51	49	50
21	77	75	76	74	72	73	80	79	80	92	88	90	85	82	83	51	49	50
22	77	75	76	74	73	74	144	78	95	88	85	87	97	80	87	51	49	50
23	78	75	76	75	74	74	96	59	65	87	82	84	82	73	78	55	49	53
24	78	75	76	75	75	75	90	65	72	82	75	78	74	73	73	54	53	54
25	77	75	76	76	75	75	104	89	92	75	72	73	85	73	79	54	52	53
26	77	76	77	77	75	76	94	89	91	73	72	73	85	82	84	52	50	51
27	77	75	76	77	76	76	103	88	96	91	72	80	82	79	81	51	50	50
28	76	75	75	76	75	75	110	103	106	112	86	105	79	78	79	51	50	51
29	76	73	75	75	71	74	115	110	111	115	112	113	78	70	76	53	51	52
30	76	75	76	71	64	68	115	110	112	112	109	111				54	52	53
31	76	74	75				111	109	110	110	107	108				54	53	53

Day	April			May			June			July			August			September		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	56	54	55	48	48	48	52	51	51	66	63	64	53	51	52	52	49	51
2	57	56	56	48	47	48	51	50	51	64	61	62	51	49	50	54	50	52
3	58	56	57	48	46	47	52	51	51	62	60	61	50	48	49	59	52	54
4	56	55	56	47	46	46	53	52	52	61	59	60	50	48	49	59	51	55
5	55	54	55	47	46	46	53	52	52	60	58	59	51	49	50	56	52	54
6	56	53	54	46	46	46	54	52	53	59	57	58	51	50	51	56	53	54
7	57	54	56	47	45	46	55	53	54	59	57	58	52	50	51	56	53	55
8	54	53	53	48	47	47	56	55	55	59	58	58	52	50	51	58	54	56
9	53	53	53	48	46	47	56	54	55	58	57	58	51	50	51	59	55	57
10	53	52	53	48	47	47	55	54	54	58	57	58	51	50	51	61	57	59
11	57	53	54	49	47	48	55	54	54	59	57	58	51	50	51	62	59	60
12	64	56	59	49	48	48	59	55	56	59	58	58	51	50	51	64	60	62
13	69	60	66	48	47	47	59	57	58	59	58	59	51	49	50	65	62	63
14	67	65	66	47	46	47	59	57	58	60	59	59	51	50	50	66	63	65
15	65	61	64	46	45	46	59	57	58	60	59	60	51	49	50	68	65	66
16	61	58	60	45	45	45	60	59	59	60	59	60	49	47	48	71	66	68
17	58	54	56	45	44	45	60	60	60	61	58	59	49	48	49	73	69	70
18	54	52	53	45	44	45	61	60	60	60	55	57	49	47	48	76	72	73
19	51	51	51	46	44	45	63	61	61	58	55	57	49	47	48	78	74	75
20	51	50	51	47	46	46	63	62	62	58	54	55	49	47	48	80	76	78
21	50	50	50	50	47	48	64	62	63	56	54	55	49	48	49	82	79	80
22	51	50	50	54	50	51	65	63	64	55	53	54	50	48	49	83	80	82
23	51	50	51	55	52	54	65	64	64	54	53	54	51	49	50	84	81	83
24	52	50	51	55	54	54	65	64	64	54	53	54	52	50	51	84	82	83
25	54	51	53	55	54	55	66	64	65	55	53	54	52	50	51	86	82	84
26	53	52	52	56	54	55	66	64	65	56	54	55	52	51	52	87	83	85
27	52	51	52	55	53	54	66	65	65	56	54	55	52	51	51	84	82	83
28	51	50	51	54	52	53	66	65	65	57	55	56	51	50	51	83	79	81
29	50	48	49	52	51	51	66	65	66	57	55	56	51	49	50	79	73	76
30	50	48	48	51	50	50	66	64	65	57	55	56	51	49	50	80	75	78
31				51	50	50				56	53	54	51	49	50			

TABLE D-9 (Cont.)

DAILY MAXIMUM, MINIMUM, AND AVERAGE SPECIFIC CONDUCTANCE

B9 D 757.8 121.9 STOCKTON SHIP CHANNEL AT BURNS CUTOFF

(October 1, 1971, through September 30, 1972)

(In Micromhos at 25° C)

Day	October			November			December			January			February			March		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	695	635	665	685	650	660	755	720	735	420	350	405	690	630	680	770	705	735
2	695	635	670	690	655	670	750	725	735	440	375	425	700	655	665	770	710	740
3	690	635	675	690	655	665	750	730	740	440	420	430	660	590	650	765	700	745
4	715	635	690	685	655	665	740	730	735	430	410	420	670	590	660	760	705	740
5	725	670	695	720	660	685	740	735	735	435	410	420	670	645	660	760	705	740
6	725	635	695	740	685	720	745	735	740	460	405	445	650	560	615	760	700	735
7	720	665	690	780	720	750	745	740	740	485	450	475	575	480	545	755	665	710
8	715	660	685	785	755	775	745	740	740	490	460	480	535	445	505	755	645	695
9	700	660	685	780	770	775	745	740	740	480	445	475	505	470	490	790	650	715
10	695	635	660	780	765	775	750	735	740	475	430	465	510	470	485	770	650	735
11	680	600	630	775	765	770	750	735	740	460	410	445	515	430	500	780	665	725
12	635	540	595	790	770	780	750	735	740	450	350	430	515	425	505	760	660	720
13	605	450	520	795	775	785	770	740	750	455	350	440	510	440	505	755	640	715
14	520	425	465	805	780	795	770	750	755	470	350	440	505	420	490	755	700	720
15	470	425	445	810	790	805	765	740	755	460	305	435	495	425	485	740	700	715
16	510	430	460	820	800	810	760	700	745	450	350	435	505	450	490	740	695	710
17	520	470	500	815	795	810	760	695	725	460	380	445	535	460	505	715	675	695
18	520	455	495	810	800	805	745	690	715	470	440	460	625	505	555	715	640	695
19	500	420	455	810	790	800	725	680	700	470	435	465	670	525	600	715	655	700
20	450	415	425	805	790	800	710	660	680	480	460	470	650	580	625	715	620	680
21	445	415	425	805	795	800	685	625	655	485	470	480	645	610	630	700	605	670
22	485	430	450	800	790	795	685	605	640	530	475	495	670	620	635	710	640	680
23	550	455	490	795	780	790	635	600	620	560	480	525	665	605	640	710	625	680
24	610	525	550	795	780	790	640	600	615	605	530	570	670	615	650	705	645	685
25	630	605	590	790	775	785	625	450	585	630	545	590	680	630	665	700	655	685
26	665	625	620	785	745	775	585	365	535	645	575	615	695	635	675	690	660	680
27	725	640	680	780	730	755	540	415	510	660	610	640	720	655	690	690	660	680
28	700	635	680	780	720	750	500	250	450	680	640	655	740	650	705	685	660	675
29	685	625	645	770	715	745	450	290	390	690	660	675	750	695	725	685	650	670
30	655	630	640	760	720	740	385	290	355	685	620	680				680	645	670
31	675	635	650				405	305	380	680	580	675				680	645	660

Day	April			May			June			July			August			September		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	680	625	660	NR	NR	NR							NR	NR	NR	NR	NR	NR
2	670	605	650	565	405	475							NR	NR	NR	NR	NR	NR
3	665	590	640	505	380	440							NR	NR	NR	NR	NR	NR
4	670	570	630	480	360	425							NR	NR	NR	NR	NR	NR
5	655	570	625	540	400	450							415	360	390	NR	NR	NR
6	655	590	630	505	405	450							415	365	390	NR	NR	NR
7	660	600	630	520	425	465							405	360	385	NR	NR	NR
8	650	610	635	505	415	460							400	350	380	NR	NR	NR
9	650	595	630	520	415	460							400	355	380	NR	NR	NR
10	650	600	630	500	410	465		N			N		400	365	380	NR	NR	NR
11	640	590	625	495	405	460		O			O		405	335	365	NR	NR	NR
12	640	600	620	525	395	460							380	335	350	NR	NR	NR
13	640	600	620	510	390	460							370	335	350	NR	NR	NR
14	650	590	625	525	370	460							380	335	355	NR	NR	NR
15	645	570	620	510	370	445		R			R		385	335	355	NR	NR	NR
16	635	545	610	525	350	440		E			E		395	340	365	NR	NR	NR
17	635	555	610	500	360	435							405	335	365	NR	NR	NR
18	645	540	605	520	375	440		C			C		400	335	365	NR	NR	NR
19	665	570	620	525	385	455							385	335	365	NR	NR	NR
20	650	565	615	475	410	450		O			O		395	340	375	NR	NR	NR
21	650	555	605	475	395	445		R			R		400	335	375	NR	NR	NR
22	625	550	595	495	405	450							NR	NR	NR	565	545	555
23	610	520	575	510	385	440		D			D		NR	NR	NR	560	545	555
24	600	520	565	485	385	440							395	335	365	550	540	545
25	605	500	555	NR	NR	NR							385	330	360	545	530	540
26	585	485	540	NR	NR	NR							365	325	355	540	525	535
27	575	465	515	450	345	405							370	320	350	530	515	525
28	NR	NR	NR	475	345	410							385	320	350	510	490	500
29	NR	NR	NR	455	350	405							395	335	360	495	475	480
30	NR	NR	NR	460	355	405							400	325	360	480	475	480
31				NR	NR	NR							NR	NR	NR			

NR - No record

DAILY MAXIMUM, MINIMUM, AND AVERAGE SPECIFIC CONDUCTANCE

B9 D 801.1 148.1 SAN JOAQUIN RIVER AT ANTIOCH

(October 1, 1971, through September 30, 1972)

(In Micramhos at 25° C)

Day	October			November			December			January			February			March		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	192	162	178	420	185	297	630	195	380	235	200	210	305	275	280	265	230	250
2	194	163	180	380	200	297	1,065	180	495	240	200	210	305	265	285	250	225	240
3	200	165	180	668	190	380	805	210	445	235	190	210	305	265	285	250	230	235
4	227	170	195	825	190	455	670	185	407	245	205	215	295	270	280	245	220	235
5	276	172	215	975	210	520	530	175	350	255	210	225	295	260	275	235	210	230
6	326	165	230	1,018	198	541	485	165	333	260	215	240	285	255	265	235	195	215
7	375	168	260	1,000	210	550	375	175	265	280	215	250	300	245	260	225	175	205
8	402	129	300	728	230	515	285	165	233	315	225	260	275	235	255	220	150	190
9	366	176	250	720	232	493	300	175	235	NR	NR	NR	280	235	250	230	165	200
10	320	163	250	630	205	435	315	180	235	310	240	275	280	235	260	235	165	190
11	310	165	240	680	200	450	340	210	255	NR	NR	NR	285	245	260	235	170	195
12	285	160	260	715	230	460	375	215	275	NR	NR	NR	305	250	265	225	165	190
13	282	169	240	735	285	462	425	200	305	NR	NR	NR	290	250	265	215	170	190
14	308	180	250	620	215	390	445	190	290	NR	NR	NR	290	250	265	215	170	190
15	323	187	260	590	205	385	445	180	300	NR	NR	NR	290	245	265	215	175	195
16	326	184	260	525	190	330	455	180	280	NR	NR	NR	285	250	270	215	175	195
17	325	190	256	620	192	472	450	165	266	NR	NR	NR	285	245	270	220	185	200
18	331	174	252	680	195	400	500	170	300	NR	NR	NR	285	245	265	225	195	210
19	320	173	237	665	195	405	520	182	323	NR	NR	NR	295	240	275	235	195	215
20	350	180	254	745	198	436	NR	NR	NR	395	280	335	290	245	270	235	200	215
21	368	178	237	765	200	446	NR	NR	NR	365	270	320	310	245	275	255	185	225
22	350	160	260	640	210	432	640	190	455	365	275	315	325	240	265	255	185	220
23	385	175	287	545	192	397	550	285	410	355	270	285	330	240	285	240	170	215
24	385	175	300	490	185	380	495	180	350	340	270	295	340	235	290	235	175	205
25	358	162	284	455	195	335	420	200	300	375	270	310	375	235	290	230	185	210
26	328	160	255	400	190	303	385	200	280	395	270	315	325	235	285	235	190	210
27	340	172	255	405	200	303	320	190	250	390	280	315	295	235	275	240	200	220
28	305	162	216	418	222	310	295	200	240	330	280	305	285	240	270	255	205	230
29	270	155	205	535	222	362	260	195	220	310	270	295	275	235	260	295	215	250
30	300	180	260	630	190	380	230	180	210	305	270	285				315	215	270
31	366	172	260				235	180	206	310	270	280				335	245	280

Day	April			May			June			July			August			September		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	395	220	310	NR	NR	NR	5,340	1,610	3,240	8,720	3,990	6,420	4,540	2,040	2,780	3,300	1,200	1,700
2	475	240	350	NR	NR	NR	4,750	1,940	3,160	8,530	4,000	6,320	5,050	1,960	2,860	3,200	1,200	1,700
3	650	250	430	NR	NR	NR	4,290	1,680	3,050	8,030	2,800	5,220	5,790	1,910	3,130	3,000	1,050	1,640
4	655	260	430	NR	NR	NR	4,380	1,690	2,870	8,020	3,050	4,670	5,770	1,780	3,070	2,550	950	1,570
5	940	325	560	NR	NR	NR	4,850	1,900	2,890	8,110	2,990	4,400	5,590	1,600	3,080	2,350	1,050	1,510
6	855	285	580	NR	NR	NR	5,110	2,280	3,130	8,610	2,360	4,320	5,480	1,650	3,080	2,150	1,050	1,480
7	730	265	550	NR	NR	NR	5,600	2,180	3,450	8,280	1,920	3,940	5,900	1,980	3,400	2,100	1,050	1,480
8	700	295	550	NR	NR	NR	6,640	2,100	3,880	6,990	1,990	3,940	5,850	1,870	3,360	2,000	1,050	1,460
9	700	335	560	3,350	1,360	1,720	NR	2,220	NR	7,090	1,990	3,940	5,750	1,900	3,340	1,900	1,000	1,370
10	780	380	590	3,240	1,080	1,860	7,650	1,650	4,110	6,830	1,940	3,820	5,120	1,900	3,320	1,880	1,020	1,380
11	1,090	420	700	3,380	1,090	1,990	7,750	1,690	4,180	6,630	2,090	3,780	4,490	1,780	2,940	1,980	940	1,410
12	1,135	395	770	4,040	1,040	2,150	7,400	1,940	4,250	6,070	2,090	3,620	4,220	1,780	2,770	1,690	820	1,240
13	1,210	385	710	5,020	1,110	2,460	7,700	2,180	4,540	5,410	2,190	3,510	4,210	1,890	2,740	1,540	790	1,160
14	1,035	315	655	5,770	1,260	2,860	7,400	2,500	4,740	5,200	2,350	3,570	4,270	1,960	2,770	1,450	800	1,090
15	1,140	340	690	5,920	1,420	3,170	6,710	2,260	4,360	6,010	2,580	3,870	4,070	2,020	2,660	1,360	800	1,060
16	1,245	330	710	6,390	1,510	3,460	5,910	2,250	4,160	6,410	2,930	4,370	3,870	1,580	2,480	1,220	800	1,020
17	1,175	315	680	5,760	1,390	3,190	6,050	2,260	4,010	6,920	3,130	4,340	3,950	1,500	2,450	1,200	730	970
18	1,250	300	640	5,060	1,540	3,120	7,220	3,080	4,330	6,620	2,880	4,340	4,400	1,550	2,610	1,070	700	910
19	900	305	610	4,920	1,570	3,260	6,920	3,560	4,620	7,170	2,470	4,110	4,350	1,400	2,550	1,030	600	830
20	695	355	670	4,840	1,800	3,150	6,940	3,060	4,440	7,170	2,170	4,110	3,900	1,450	2,350	980	580	770
21	890	390	680	4,510	1,680	2,790	10,300	3,550	5,980	6,620	2,120	4,330	3,800	1,500	2,290	950	560	780
22	900	430	690	4,330	2,010	2,840	15,600	7,520	10,700	6,520	1,810	3,820	3,550	1,450	2,170	960	580	800
23	1,000	530	770	5,040	2,040	3,080	18,000	8,140	12,200	7,840	2,200	5,030	3,400	1,500	2,210	950	540	770
24	1,275	625	890	5,140	1,780	3,120	15,800	6,430	10,700	7,950	2,040	4,810	3,400	1,450	2,170	980	580	780
25	1,355	530	870	5,280	1,720	3,180	15,200	5,970	10,100	7,860	2,040	5,170	3,100	1,350	2,080	1,020	600	820
26	1,390	475	920	5,580	1,650	3,170	14,200	5,860	9,740	7,730	1,870	4,170	2,950	1,450	2,090	1,170	560	850
27	NR	NR	NR	5,240	1,540	3,020	12,900	4,900	8,700	6,600	2,090	3,880	3,250	1,350	2,130	1,320	550	880
28	NR	NR	NR	5,240	1,550	3,040	12,000	4,150	7,760	4,820	2,020	3,260	2,950	1,400	2,000	1,300	540	870
29	NR	NR	NR	5,410	1,570	3,100	10,100	3,500	6,620	4,490	2,200	3,190	2,700	1,350	1,760	1,200	520	840
30	NR	NR	NR	5,070	1,560	3,090	9,270	3,300	6,110	4,510	2,120	3,100	2,750	1,200	1,750	1,100	500	810
31				5,100	1,490	3,040				4,510	1,890	2,870	2,950	1,150	1,730			

NR - No record

TABLE D-9 (Cont.)

DAILY MAXIMUM, MINIMUM, AND AVERAGE SPECIFIC CONDUCTANCE

B9 D 802.7 132.7 SACRAMENTO RIVER AT GREENE'S LANDING

(October 1, 1971, through September 30, 1972)

(In Micramhos at 25° C)

Day	October			November			December			January			February			March		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	NR	NR	NR	126	97	114	165	137	149	158	111	135	158	123	143	152	132	143
2	NR	NR	NR	145	111	126	158	139	146	136	107	126	145	133	139	142	121	128
3	NR	NR	NR	129	112	121	140	122	135	157	129	142	147	135	139	132	110	123
4	NR	NR	NR	132	118	126	171	135	154	186	131	155	145	129	135	121	109	115
5	NR	NR	NR	133	117	124	195	151	174	187	145	158	155	137	145	138	116	125
6	NR	NR	NR	135	122	129	165	152	157	171	147	154	204	140	163	126	116	122
7	157	122	135	127	111	121	163	133	148	444	145	189	182	159	167	135	112	121
8	160	115	130	146	106	126	165	135	147	172	148	154	193	152	166	127	120	124
9	142	116	125	148	121	134	142	136	139	172	139	154	177	141	161	131	119	125
10	143	112	125	135	120	130	159	126	142	444	140	189	163	126	139	123	120	121
11	141	105	115	139	135	136	159	135	149	444	147	196	146	112	127	139	120	127
12	155	117	133	140	139	140	147	135	141	169	139	148	191	117	145	125	121	123
13	135	117	124	140	140	140	147	125	137	176	142	162	222	156	175	132	120	124
14	158	132	144	140	140	140	148	123	137	162	139	152	205	146	166	137	125	130
15	157	122	142	140	140	140	138	117	129	161	145	152	189	151	165	132	128	130
16	189	129	150	140	140	140	142	118	134	173	152	168	190	152	164	146	129	137
17	148	131	137	140	128	137	142	127	134	192	146	169	181	135	148	137	134	136
18	145	128	133	130	121	126	135	122	130	178	142	155	190	143	167	150	135	141
19	143	129	135	125	118	122	142	123	132	191	171	182	178	144	156	151	135	140
20	160	126	143	135	118	123	142	114	127	198	162	186	188	147	172	138	131	135
21	137	120	126	150	125	135	157	117	136	227	192	209	218	158	182	147	129	137
22	152	126	141	139	116	125	161	129	147	235	187	210	169	148	163	181	117	158
23	140	120	129	134	110	122	146	122	137	209	186	193	172	155	161	185	155	170
24	148	117	132	133	116	126	169	131	150	238	188	196	181	150	169	185	161	170
25	131	116	122	143	117	130	169	133	144	238	155	185	168	145	155	192	172	181
26	147	111	132	150	122	139	138	117	125	166	136	152	159	128	142	180	152	164
27	126	105	119	145	109	130	157	109	130	161	132	137	142	121	132	169	145	155
28	129	119	124	146	69	127	165	131	147	169	151	163	139	107	124	168	146	157
29	137	117	125	147	127	140	183	150	164	170	140	153	126	113	119	158	146	154
30	138	111	124	159	127	144	175	145	151	175	138	156				162	144	152
31	150	101	130				166	125	148	444	122	167				165	146	154

Day	April			May			June			July			August			September		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	155	148	150	163	139	150	198	177	188	122	104	114	152	119	140	200	125	163
2	172	152	160	185	152	168	192	179	184	129	114	120	150	119	135	168	112	138
3	165	148	156	215	162	185	180	166	176	136	91	126	151	110	131	170	117	141
4	179	156	169	175	147	159	183	160	171	107	90	94	147	101	123	169	129	148
5	177	156	166	159	143	149	175	155	164	95	79	87	151	102	126	178	150	164
6	165	155	160	165	145	153	176	152	169	102	87	94	151	106	127	185	152	165
7	159	155	157	173	152	161	182	173	177	126	90	103	150	106	128	168	155	162
8	173	157	163	181	157	172	195	168	181	140	126	132	163	125	148	176	158	166
9	160	147	154	201	179	191	195	162	182	175	127	154	165	129	149	200	160	178
10	161	138	147	196	181	188	195	165	182	172	153	163	167	125	141	192	172	180
11	165	128	141	200	185	190	182	165	173	182	159	174	159	115	134	207	187	196
12	146	129	138	205	183	195	189	159	170	183	169	176	154	118	132	207	190	197
13	148	128	138	210	180	196	180	160	173	185	169	174	160	121	138	206	190	197
14	147	129	136	220	197	208	190	175	182	190	170	179	166	122	141	202	191	197
15	152	129	138	238	212	222	198	175	185	191	165	177	160	122	150	196	125	151
16	150	125	135	248	222	240	191	175	182	189	162	175	155	123	138	183	165	173
17	139	127	131	243	207	224	185	171	179	182	159	169	156	77	103	176	163	169
18	151	126	137	217	200	210	180	156	170	179	157	171	111	82	94	242	169	213
19	145	129	137	224	201	214	173	155	161	179	166	171	168	87	107	242	166	203
20	144	129	136	229	186	217	169	152	160	176	161	168	146	93	112	179	169	171
21	159	127	146	227	203	216	155	122	142	212	112	158	139	96	115	189	168	178
22	155	138	148	230	207	216	155	129	144	139	111	126	168	105	127	187	155	171
23	150	146	148	238	221	232	156	125	142	150	113	130	176	135	160	182	150	165
24	150	138	143	235	221	227	140	120	128	155	112	129	190	136	162	179	145	160
25	150	141	146	233	225	229	145	115	130	165	120	145	185	143	165	168	138	151
26	150	145	147	233	222	228	139	111	123	167	115	141	194	152	170	163	145	152
27	152	142	147	232	210	222	139	115	131	160	109	136	201	157	176	185	150	169
28	155	144	149	217	202	212	142	120	132	150	109	130	200	143	171	200	176	188
29	159	142	150	208	177	192	136	107	121	155	116	137	200	153	176	198	178	185
30	157	139	147	200	177	187	125	102	116	155	107	134	179	147	166	185	166	177
31				196	183	191				155	113	127	215	152	183			

Appendix E

GROUND WATER QUALITY DATA

This appendix presents ground water quality data collected during the period from October 1, 1971, through September 30, 1972. The data were collected from a number of major ground water sources in Northeastern California in cooperation with other state, local, and federal agencies. During the 1972 water year, 493 wells were sampled in 31 ground water basins and subbasins or subareas.

At the time of field sampling, pH and temperature measurements are normally made. Comments on current conditions are noted in field books which are available in the files of the Department of Water Resources.

Laboratory analyses of ground waters were performed in accordance with "Standard Methods for the Examination of Water and Wastewater", 13th Edition.

The Region and Basin and State Well Numbering Systems are described in Appendix C, "Ground Water Measurements", on page 207.

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5- 4.00	Big Valley	355, 381
5- 5.00	Fall River Valley	356, 381
5- 6.00	Redding Basin	356, 381
5- 7.00	Lake Almanor Valley	
5- 9.00	Indian Valley	
5-10.00	American Valley	
5-11.00	Mohawk Valley	
5-12.00	Sierra Valley	358, 381
5-13.00	Upper Lake Valley	358, 381
5-14.00	Scott Valley	359
5-15.00	Kelseyville Valley	359, 381
5-16.00	High Valley	360
5-17.00	Burns Valley	360
5-30.00	Lower Lake Area	376
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5-21.01	Tehama County	360, 381
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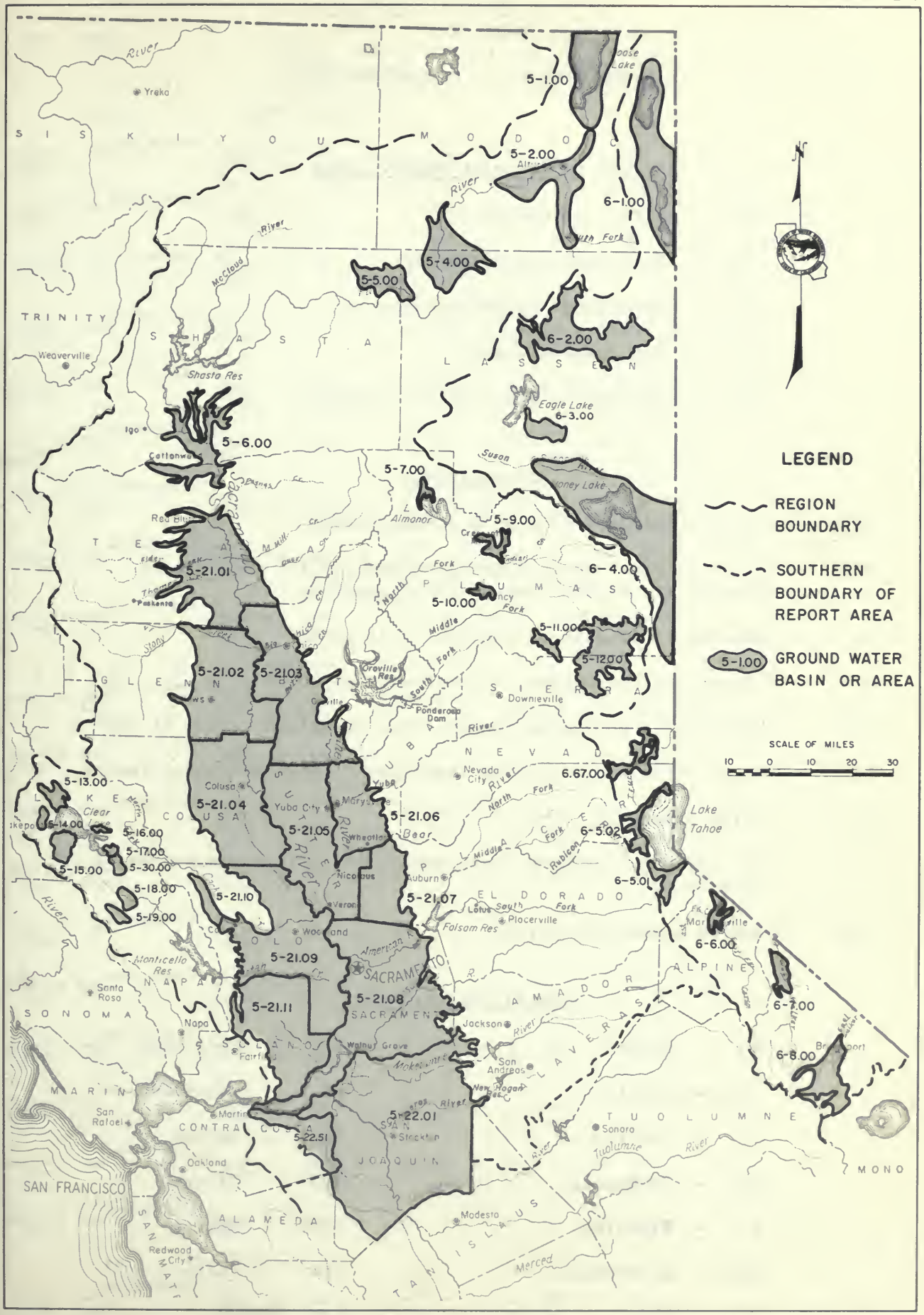
6- 2.00	Madeline Plains	378, 381
6- 3.00	Willow Creek Valley	378
6- 4.00	Honey Lake Valley	378, 381
6-67.00	Truckee Valley	
6- 5.00	Tahoe Valley	
6- 5.01	South Tahoe Valley	380
6- 5.02	North Tahoe Valley	
6- 6.00	Carson Valley	
6- 7.00	Topaz Valley	
6- 8.00	Bridgeport Valley	

FIGURE E-1



GROUND WATER BASINS IN NORTHEASTERN CALIFORNIA

TABLE E-1

MINERAL ANALYSES OF GROUND WATER

Lab and Sampler Agency Codes

4203 - City of Stockton

5000 - U. S. Geological Survey

5050 - Department of Water Resources

5110 - San Joaquin County

5701 - California Water Service Company

Abbreviations

TIME - Pacific Standard Time on a 24-hour clock

TEMP - Water temperature in degrees Fahrenheit (F) and degrees Celsius (C) at the time of field sampling

PH - Measure of acidity or alkalinity of water

EC - Electrical conductance in micromhos at 25° C

TDS - Gravimetric determination of total dissolved solids at 180° C

SUM - Total dissolved solids my summation of analyzed constituents

TH - Total hardness

NCH - Noncarbonate hardness - any excess of total hardness over total alkalinity

SAR - Sodium adsorption ratio

Mineral Constituents

B	- Boron	K	- Potassium
CA	- Calcium	MG	- Magnesium
CL	- Chloride	NA	- Sodium
CO3	- Carbonate	NO3	- Nitrate
F	- Fluoride	SIO2	- Silica
HCO3	- Bicarbonate	SO4	- Sulfate

TABLE E-1 (CONTINUED)
MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB		TEMP	FIELD LABORATORY PH	FIELD LABORATORY EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F	SIO2	TDS SUM	TH NCH	SAR
	5	CENTRAL VALLEY REGION																		
	5-01	GOOSE LAKE VALLEY																		
		44N/13E-36A01 M																		
08/25/72 0725	5050		60.0F 15.5C	7.9	200	--	--	--	--	--	--	--	--	--	--	--	--			
		44N/14E-07K01 M																		
08/25/72 0740	5050		55.0F 12.8C	7.0	560	--	--	--	--	--	--	--	--	--	--	--	--			
		45N/13E-12L01 M																		
08/25/72 0830	5050		67.0F 19.4C	7.5	335	--	--	--	--	--	--	--	--	--	--	--	--			
		45N/14E-32L01 M																		
08/25/72 0815	5050		58.0F 14.4C	7.0	260	--	--	--	--	--	--	--	--	--	--	--	--			
		46N/14E-32J01 M																		
08/25/72 1000	5050		63.0F 17.2C	7.1	170	--	--	--	--	--	--	--	--	--	--	--	--			
		47N/13E-07D01 M																		
08/25/72 0910	5050		61.0F 16.1C	7.3	228	--	--	--	--	--	--	--	--	--	--	--	--			
		47N/14E-02H01 M																		
08/25/72 1030	5050		69.0F 20.5C	8.0 7.9	330 315	2.9 .14 5	.7 .06 2	65 2.83 93	.7 .02 1	0 .00	114 1.87 64	17 .35 12	24 .68 23	2.0 .03 1	1.60	-- --	221 170	10 0	8.9	
		47N/14E-14B02 M																		
08/25/72 1020	5050		67.0F 19.4C	6.9	185	--	--	--	--	--	--	--	--	--	--	--	--			
		48N/14E-23K01 M																		
08/25/72 1045	5050		55.0F 12.8C	7.0	230	--	--	--	--	--	--	--	--	--	--	--	--			
	5-02	ALTURAS BASIN																		
		39N/13E-06N01 M																		
08/24/72 1210	5050		69.0F 20.5C	7.4 8.1	280 265	--	--	--	--	0 .00	153 2.51	--	4.8 .14	--	--	-- --		55		
		40N/12E-11F01 M																		
08/24/72 1245	5050		72.0F 22.2C	7.9	170	--	--	--	--	--	--	--	--	--	--	--	--			
		40N/12E-25J01 M																		
08/24/72 1230	5050		63.0F 17.2C	7.3 8.0	540 532	--	--	74 3.22	--	0 .00	335 5.49	--	7.0 .20	--	--	-- --		117		
		41N/11E-02J01 M																		
08/24/72 1550	5050		64.0F 17.8C	7.4	255	--	--	--	--	--	--	--	--	--	--	--	--			
		41N/13E-18P01 M																		
08/24/72 1325	5050		62.0F 16.7C	7.3	900	--	--	--	--	--	--	--	--	--	--	--	--			
		42N/11E-19E01 M																		
08/24/72 1610	5050		57.0F 13.9C	7.9	480	--	--	--	--	--	--	--	--	--	--	--	--			
		42N/11E-24A01 M																		
08/24/72 1520	5050		63.0F 17.2C	7.3 7.6	225 211	--	--	--	--	0 .00	100 1.64	--	7.4 .21	--	--	-- --		74		
		42N/12E-11J01 M																		
08/24/72 1430	5050		63.0F 17.2C	7.5	395	--	--	--	--	--	--	--	--	--	--	--	--			
		42N/13E-31G01 M																		
08/24/72 1445	5050		61.0F 16.1C	7.1	600	--	--	--	--	--	--	--	--	--	--	--	--			
		42N/13E-32G01 M																		
08/24/72 1455	5050		59.0F 15.0C	7.1	375	--	--	--	--	--	--	--	--	--	--	--	--			
	5-04	BIG VALLEY																		
		37N/07E-02D01 M																		
09/26/72 1400	5050		54.0F 12.2C	7.4 7.7	220 205	--	--	--	--	0 .00	119 1.95 94	--	3.8 .11 5	1.1 .02 1	--	-- --		64		

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB		TEMP	FIELD LABORATORY PH	FIELD LABORATORY EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	SAR
	5	CENTRAL VALLEY REGION																	
	5-04	BIG VALLEY																	
		37N/07E-13B01 M																	
09/26/72	5050		54.0F	7.3	210	12	6.9	20	4.5	0	115	3.0	4.4	4.9	.10	--	166	58	
1430	5050		12.2C	7.6	203	.60	.57	.87	.12	.00	1.88	.06	.12	.08		--	112	0	1.1
						28	26	40	6		88	3	6	4					
		38N/07E-02P01 M																	
09/27/72	5050		61.0F	7.1	540	--	--	--	--	--	--	--	--	--	--	--			
1000			16.1C													--			
		38N/07E-23D01 M																	
09/27/72	5050		62.0F	7.4	305	--	--	--	--	--	--	--	--	--	--	--			
1205	5050		16.7C													--			
		38N/07E-28N09 M																	
09/26/72	5050		54.0F	7.2	207	--	--	--	--	--	--	--	--	--	--	--			
1330			12.2C													--			
		38N/08E-17K01 M																	
09/26/72	5050		56.0F	7.4	212	--	--	--	--	0	120	--	4.4	--	--	--		83	
1515	5050		13.3C	7.5	214					.00	1.97		.12			--			
		38N/08E-30R01 M																	
09/27/72	5050		54.0F	7.3	530	--	--	--	--	--	--	--	38	63.0	--	--		197	
1140	5050		12.2C		526								1.07	1.02		--			
		38N/09E-21L01 M																	
09/27/72	5050		63.0F	7.6	340	--	--	--	--	--	--	--	--	--	--	--			
1115			17.2C													--			
		39N/07E-13Q01 M																	
09/27/72	5050		59.0F	7.0	230	--	--	--	--	--	--	--	--	--	--	--			
0950			15.0C													--			
		39N/08E-23A01 M																	
09/27/72	5050		57.0F	7.2	215	--	--	--	--	--	--	--	--	--	--	--			
0930			13.9C													--			
		39N/08E-26J02 M																	
09/27/72	5050		56.0F	7.2	285	--	--	--	--	--	--	--	--	--	--	--			
0830			13.3C													--			
		39N/09E-28F20 M																	
09/27/72	5050		65.0F	7.6	195	--	--	--	--	--	--	--	--	--	--	--			
0805			18.3C													--			
	5-05	FALL RIVER VALLEY																	
		37N/05E-24F01 M																	
09/26/72	5050		58.0F	8.2	240	--	--	--	--	--	--	--	--	--	--	--			
1115	5050		14.4C													--			
		37N/06E-19L01 M																	
09/26/72	5050		57.0F	7.8	238	23	7.5	12	2.5	0	107	6.4	4.9	19.0	.00	--	172	89	
1135	5050		13.9C	7.6	225	1.15	.62	.52	.06	.00	1.75	.13	.14	.31		--	128	1	0.6
						49	26	22	3		75	6	6	13					
		38N/03E-24F01 M																	
09/26/72	5050		51.0F	6.9	155	--	--	--	--	--	--	--	--	--	--	--			
0935			10.5C													--			
		38N/04E-27Q01 M																	
09/26/72	5050		54.0F	8.1	185	--	--	--	--	--	--	--	--	--	--	--			
0840			12.2C													--			
	5-06	REDDING BASIN																	
		29N/03W-05G02 M																	
06/12/72	5050		63.0F	6.8	150	--	--	--	--	--	--	--	--	--	--	--			
1430			17.2C													--			
		29N/04W-04R03 M																	
06/12/72	5050		70 F	6.8	310	--	--	--	--	--	--	--	--	21.0	--	--		110	
1015	5050		21 C		300									.34		--			
		29N/04W-11G04 M																	
06/12/72	5050		66.0F	7.2	190	--	--	--	--	--	--	--	--	--	--	--			
1045			18.9C													--			
		30N/03W-04M01 M																	
06/12/72	5050		68 F	7.0	198	--	--	--	--	--	--	--	1.0	--	--	--		80	
1120	5050		20 C		193								.03			--			

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB	TEMP	FIELD LABORATORY PH	FIELD LABORATORY EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F	SIO2	TDS SUM	TH NCH	SAR
	S																		
	5-06	CENTRAL VALLEY REGION REDDING BASIN																	
	30N/03W-18F02 M																		
06/12/72	5050	66 F	6.8	225	16	14	8.4	.3	0	120	5.6	2.3	6.1	.00	--	--	158	97	
1215	5050	19 C	7.2	217	.80	1.15	.37	.01	.00	1.97	.12	.06	.10		--	--	112	0	0.4
					34	49	16			88	5	3	4						
06/12/72	5050	66.0F	6.8	225	--	--	--	--	--	--	--	--	--	--	--	--			
1215		18.9C														--			
	30N/03W-34D01 M																		
06/12/72	5050	61.0F	6.8	320	--	--	--	--	--	--	--	--	--	--	--	--			
1500		16.1C														--			
	30N/04W-01E01 M																		
06/12/72	5050	68.0F	7.1	80	--	--	--	--	--	--	--	--	--	--	--	--			
1200		20.0C														--			
	30N/04W-08R01 M																		
06/12/72	5050	71.0F	6.9	125	--	--	--	--	--	--	--	--	--	--	--	--			
1315		21.6C														--			
	30N/04W-15M03 M																		
06/12/72	5050	68 F	7.0	295	--	--	--	--	0	140	--	6.3	--	--	--	--		121	
1300	5050	20 C	7.2	283					.00	2.29		.18				--			
	30N/04W-35R01 M																		
06/12/72	5050	70.0F	7.0	195	--	--	--	--	--	--	--	--	--	--	--	--			
1400		21.1C														--			
	30N/04W-36D01 M																		
06/12/72	5050	67.0F	7.1	185	--	--	--	--	--	--	--	--	--	--	--	--			
1330		19.4C														--			
	30N/05W-17R01 M																		
06/12/72	5050	73 F	6.9	145	--	--	17	--	0	75	--	3.8	--	--	--	--		36	
1645	5050	23 C	6.9	139			.74		.00	1.23		.11				--			
	31N/03W-05J01 M																		
06/13/72	5050	68 F	6.9	215	--	--	--	--	0	110	--	4.6	--	--	--	--		77	
0900	5050	20 C	7.0	206					.00	1.80		.13				--			
	31N/03W-12E01 M																		
06/13/72	5050	65.0F	6.8	205	--	--	--	--	--	--	--	--	--	--	--	--			
0815		18.3C														--			
	31N/04W-12A01 M																		
06/14/72	5050	73.0F	7.3	380	--	--	--	--	--	--	--	--	--	--	--	--			
0930		22.8C														--			
	31N/04W-15D03 M																		
06/14/72	5050	69.0F	7.0	185	--	--	--	--	--	--	--	--	--	--	--	--			
0850		20.5C														--			
	31N/04W-16Q01 M																		
06/14/72	5050	63.0F	7.1	155	--	--	--	--	--	--	--	--	--	--	--	--			
0820		17.2C														--			
	31N/04W-20J01 M																		
06/14/72	5050	72.0F	6.8	228	--	--	--	--	--	--	--	--	--	--	--	--			
0830		22.2C														--			
	31N/05W-25K01 M																		
06/12/72	5050	71 F	7.3	300	9.8	4.8	45	.5	0	113	.0	33	.0	.00	--	--	188	44	
1610	5050	22 C	7.2	287	.49	.39	1.96	.01	.00	1.85	.00	.93	.00		--	--	149	0	2.9
					17	14	69			67		33							
	32N/03W-07N01 M																		
06/13/72	5050	76.0F	6.9	140	--	--	--	--	--	--	--	--	--	--	--	--			
1010		24.4C														--			
	32N/03W-32J02 M																		
06/13/72	5050	66 F	7.1	360	--	--	--	--	--	--	--	--	--	--	--	--			
0930	5050	19 C														--			
	32N/03W-35C01 M																		
06/13/72	5050	68 F	6.8	235	--	--	18	--	0	119	--	6.8	--	--	--	--		81	
0845	5050	20 C	6.9	227			.78		.00	1.95		.19				--			
	32N/05W-26M02 M																		
06/13/72	5050	71 F	8.0	860	12	2.8	158	1.5	0	230	22	130	4.3	7.00	--	--	487	43	
1050	5050	22 C	8.0	835	.60	.23	6.87	.04	.00	3.77	.46	3.67	.07		--	--	451	0	10.7
					8	3	89	1		47	6	46	1						

TABLE E-1 (CONTINUED)
MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB		TEMP	FIELD LABORATORY PH	FIELD LABORATORY EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	SAR
	5	CENTRAL VALLEY REGION																	
	5-12	SIERRA VALLEY																	
		20N/14E-09H01 M																	
09/25/72	5050		48.0F		55	--	--	--	--	0	33	--	--	--	.00	.0		12	
1805	5050		8.9C	7.5	55					.00	.54					--			
		20N/14E-11A01 M																	
09/27/72	5050		59.0F	6.3	150	--	--	--	--	0	107	--	--	--	.00	.1		71	
0750	5050		15.0C	7.7	170					.00	1.75					--			
		20N/14E-13A02 M																	
09/25/72	5050		52.0F	6.7	460	--	--	--	--	0	267	--	--	--	.00	.2		203	
1050	5050		11.1C	8.3	459					.00	4.38					--			
		21N/14E-15J01 M																	
09/25/72	5050		56.0F	7.1	480	--	--	--	--	0	124	--	--	--	.10	1.1		62	
1650	5050		13.3C	7.9	459					.00	2.03					--			
		21N/14E-20B02 M																	
09/25/72	5050		56.0F	7.5	320	--	--	--	--	0	212	--	--	--	.00	.1		141	
1350	5050		13.3C	8.3	333					.00	3.47					--			
		21N/14E-36K01 M																	
09/27/72	5050		52.0F	7.4	195	--	--	--	--	0	122	--	--	--	.00	.1		87	
0830	5050		11.1C	8.0	201					.00	2.00					--			
		21N/15E-03J02 M																	
09/28/72	5050		61.0F	7.3	200	--	--	--	--	0	82	--	--	--	.00	.2		50	
0925	5050		16.1C	7.8	185					.00	1.34					--			
		21N/15E-04N01 M																	
09/27/72	5050		61.0F	7.5	900	--	--	--	--	0	120	--	--	--	2.30	.4		43	
1500	5050		16.1C	7.8	901					.00	1.97					--			
		21N/15E-18F02 M																	
09/26/72	5050		56.0F	7.0	220	--	--	--	--	0	104	--	--	--	.00	.3		55	
0955	5050		13.3C	8.0	200					.00	1.70					--			
		21N/16E-06H01 M																	
09/26/72	5050		76.0F	7.3	282	--	--	--	--	0	170	--	--	--	.00	.2		134	
0845	5050		24.4C	8.1	296					.00	2.79					--			
		21N/16E-18H01 M																	
09/27/72	5050		55.0F	7.4	215	--	--	--	--	0	130	--	--	--	.00	.0		91	
1630	5050		12.8C	8.0	219					.00	2.13					--			
		22N/15E-11F01 M																	
09/26/72	5050		69.0F	7.1	580	--	--	--	--	0	221	--	--	--	1.20	1.0		48	
1730	5050		20.5C	8.2	564					.00	3.62					--			
		22N/15E-17C01 M																	
09/26/72	5050		79.0F	8.4	382	--	--	--	--	0	136	--	--	--	1.20	.7		45	
1605	5050		26.1C	8.2	379					.00	2.23					--			
		22N/15E-26K02 M																	
09/26/72	5050		55.0F	7.3	3000	--	--	--	--	53	609	777	324	--	.10	.5		612	
1200	5050		12.8C	8.5	3380					1.77	9.98	16.18	9.14			--			
		22N/15E-28L01 M																	
09/26/72	5050		74.0F	7.0	350	--	--	--	--	0	124	--	--	--	1.10	2.5		22	
1400	5050		23.3C	7.9	356					.00	2.03					--			
		22N/16E-05N02 M																	
09/28/72	5050		73.4F	7.3	182	--	--	--	--	0	65	--	--	--	.10	.8		30	
1000	5050		23.0C	7.6	164					.00	1.07					--			
		22N/16E-32E03 M																	
09/26/72	5050		54.0F	7.3	260	--	--	--	--	0	130	--	--	--	.10	.1		98	
0820	5050		12.2C	8.0	252					.00	2.13					--			
		23N/14E-35L02 M																	
09/25/72	5050		54.0F	8.3	630	--	--	--	--	0	101	--	--	--	1.90	.2		37	
1600	5050		12.2C	7.9	641					.00	1.66					--			
		23N/15E-35C01 M																	
09/28/72	5050		71.6F	7.3	440	--	--	--	--	0	74	--	--	--	1.30	1.2		38	
1620	5050		22.0C	7.5	377					.00	1.21					--			
	5-13	UPPER LAKE VALLEY																	
		15N/09W-06F01 M																	
09/13/72	5050		61.0F	6.7	210	--	--	--	--	--	--	--	--	--	--	--			
1010			16.1C													--			

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB		TEMP	FIELD LABORATORY PH	FIELD LABORATORY EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	SAR
	5	CENTRAL VALLEY REGION																	
	5-13	UPPER LAKE VALLEY																	
		15N/09W-07B01 M																	
09/13/72	5050		61.5F	6.4	280	--	--	--	--	--	--	--	--	--	--	--			
0920			16.4C																
		15N/09W-17P01 M																	
09/13/72	5050		65.0F	7.1	485	--	--	--	--	--	--	--	--	--	--	--			
0755			18.3C																
		15N/09W-27E01 M																	
09/13/72	5050		66.0F	7.3	570	51	31	24	.3	0	344	6.9	14	1.0	.40	--	325	256	
0940	5050		18.9C	7.9	566	2.54	2.55	1.04	.01	.00	5.64	.14	.39	.02		--	298	0	0.7
						41	42	17			91	2	6						
		15N/09W-31P01 M																	
09/13/72	5050		64.0F	6.5	200	--	--	--	--	--	--	--	--	--	--	--			
0810	5050		17.8C																
		15N/10W-03C01 M																	
09/13/72	5050		72.0F	7.1	385	--	--	--	--	--	--	--	--	--	--	--			
1105			22.2C																
		15N/10W-09L01 M																	
09/12/72	5050		62.0F	7.2	470	44	19	15	.7	0	246	.3	3.3	15.0	.10	--	250	187	
1130	5050		16.7C	7.8	411	2.20	1.56	.65	.02	.00	4.03	.01	.09	.24		--	218	0	0.5
						50	35	15			92		2	5					
		15N/10W-13A01 M																	
09/13/72	5050		60.0F	7.0	250	--	--	--	--	--	--	--	--	--	--	--			
0850			15.5C																
		15N/10W-13A02 M																	
09/13/72	5050		64.0F	7.3	200	--	--	--	--	--	--	--	--	--	--	--			
0905			17.8C																
		16N/09W-31L03 M																	
09/13/72	5050		58.0F	6.7	260	27	8.0	12	1.3	0	123	15	4.9	.7	.10	--	149	101	
1100	5050		14.4C	7.9	245	1.35	.66	.52	.03	.00	2.02	.31	.14	.01		--	129	0	0.5
						53	26	20	1		81	13	6						
	5-14	SCOTT VALLEY																	
		14N/10W-03F01 M																	
09/12/72	5050		59.0F	7.2	380	--	--	--	--	--	--	--	--	--	--	--			
1800			15.0C																
		14N/10W-10P01 M																	
09/12/72	5050		60.0F	7.2	320	--	--	--	--	--	--	--	--	--	--	--			
1700			15.5C																
		14N/10W-14E03 M																	
09/12/72	5050		57.0F	6.7	235	--	--	--	--	--	--	--	4.9	1.6	--	--		100	
1330	5050		13.9C		223								.14	.03		--			
		14N/10W-15A01 M																	
09/12/72	5050		59.0F	7.3	475	52	21	12	.9	0	182	68	9.3	9.0	.20	--	287	216	
1600	5050		15.0C	7.8	468	2.59	1.73	.52	.02	.00	2.98	1.42	.26	.15		--	262	67	0.4
						53	36	11			62	30	5	3					
	5-15	KELSEYVILLE VALLEY																	
		13N/09W-02K02 M																	
09/07/72	5050		60.5F	6.9	900	41	89	19	1.7	0	488	53	32	18.0	.20	--	544	471	
0950	5050		15.8C	7.7	906	2.05	7.32	.83	.04	.00	8.00	1.10	.90	.29		--	494	69	0.4
						20	71	8			78	11	9	3					
		13N/09W-03C01 M																	
09/07/72	5050		59.5F	7.0	610	33	59	8.7	1.3	0	330	41	10	22.0	.10	--	367	326	
1010	5050		15.3C	8.2	613	1.65	4.85	.38	.03	.00	5.41	.85	.28	.35		--	337	55	0.2
						24	70	5			79	12	4	5					
		13N/09W-05D03 M																	
09/07/72	5050		65.0F	6.6	600	--	--	--	--	--	--	--	--	--	--	--			
1140			18.3C																
		13N/09W-09F02 M																	
09/28/72	5050		67.0F	7.2	745	--	--	--	--	--	--	--	--	--	--	--			
1045			19.4C																
		13N/09W-16D03 M																	
09/07/72	5050		64.0F	6.7	495	--	--	--	--	--	--	--	--	--	--	--			
1315			17.8C																
		13N/09W-18J01 M																	
09/07/72	5050		68.0F		295	--	--	--	--	--	--	--	--	--	--	--			
1230			20.0C																

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB		TEMP	FIELD LABORATORY PH	FIELD LABORATORY EC	MINERAL CONSTITUENTS IN MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	MILLIGRAMS PER LITER F	SIO2	TDS SUM	TH NCH	SAR
	5	CENTRAL VALLEY REGION																		
	5-15	KELSEYVILLE VALLEY																		
	13N/09W-22C03	M																		
09/07/72 1400	5050		67.0F 19.4C	7.4	600	--	--	--	--	--	--	--	--	--	--	-- --				
	14N/09W-32J01	M																		
09/07/72 1100	5050		59.0F 15.0C	6.8	940	--	--	--	--	--	--	--	--	--	--	-- --				
	14N/09W-32J03	M																		
09/07/72 1115	5050		64.0F 17.8C	6.5	600	--	--	--	--	--	--	--	--	--	--	-- --				
	5-16	HIGH VALLEY																		
	14N/08W-23K01	M																		
09/12/72 0910	5050		60.0F 15.5C	6.3	310 295	--	--	--	--	--	--	--	23 .65	--	--	-- --			110	
	14N/08W-24B02	M																		
09/12/72 0845	5050		66.0F 18.9C	6.3	935	--	--	--	--	--	--	--	--	--	--	-- --				
	5-17	BURNS VALLEY																		
	13N/07W-15J02	M																		
09/12/72 1035	5050		62.5F 16.9C	7.3	405	--	--	--	--	--	--	--	--	--	--	-- --				
	13N/07W-15N01	M																		
09/12/72 0945	5050		63.0F 17.2C	7.0	275	--	--	--	--	--	--	--	--	--	--	-- --				
	13N/07W-21J02	M																		
09/12/72	5050		62.0F	7.2	625	57	34	33	2.1	0	403	1.2	15	.8	1.20	--	418	282		
1115	5050		16.7C	8.1	630	2.84	2.80	1.44	.05	.00	6.61	.02	.42	.01		--	342	0	0.9	
						40	39	20	1		94		6							
	13N/07W-21L02	M																		
09/12/72	5050		68.5F	5.9	1000	33	40	36	3.7	0	341	.3	32	.0	3.00	--	530	248		
1200	5050		20.3C	7.3	599	1.65	3.29	1.57	.09	.00	5.59	.01	.90	.00		--	316	0	1.0	
						25	50	24	1		86		14							
	13N/07W-22B03	M																		
09/12/72 1025	5050		69.0F 20.5C	6.6	510	--	--	--	--	--	--	--	--	--	--	-- --				
	13N/07W-27C01	M																		
09/12/72 1100	5050		75.0F 23.9C	7.4	335	--	--	--	--	--	--	--	--	--	--	-- --				
	5-18	COYOTE VALLEY																		
	11N/06W-29M01	M																		
08/07/72	5050		68 F	7.9	550	--	--	19	--	21	322	--	12	--	--	--			314	
1650	5050		20 C	8.5	579			.83		.70	5.28		.34			--				
	11N/06W-30A02	M																		
08/07/72	5050		63 F	7.4	405	--	--	5.8	--	0	251	--	5.2	--	--	--			220	
1615	5050		17 C	8.3	421			.25		.00	4.11		.15			--				
	5-19	COLLAYOMI VALLEY																		
	10N/07W-03M01	M																		
08/07/72	5050			7.5	225	--	--	9.2	--	0	131	--	4.8	--	--	--			104	
1530	5050			8.1	225			.40		.00	2.15		.14			--				
	11N/07W-35E01	M																		
08/07/72	5050			7.3	320	--	--	9.2	--	0	185	--	5.8	--	--	--			163	
1545	5050			8.3	318			.40		.00	3.03		.16			--				
	5-21	SACRAMENTO VALLEY																		
	5-21.01	TEHAMA COUNTY																		
	23N/02W-04A02	M																		
08/14/72 0955	5050		63.0F 17.2C	7.1	345	--	--	--	--	--	--	--	--	--	--	-- --				
	23N/02W-05A01	M																		
08/14/72 1000	5050		70.5F 21.4C	8.0	340	--	--	--	--	--	--	--	--	--	--	-- --				
	23N/03W-22Q01	M																		
08/14/72	5050		71.0F	7.3	315	--	--	--	--	--	--	--	18	--	.10	--			116	
1030	5050		21.6C		298								.51			--				

TABLE E-1 (CONTINUED)
MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB		TEMP	FIELD LABORATORY PH	FIELD LABORATORY EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	SAR
	S		CENTRAL VALLEY REGION																
	5-21		SACRAMENTO VALLEY																
	5-21.01		TEHAMA COUNTY																
		23N/03W-27N01 M																	
08/14/72 1050	5050		72.0F 22.2C	7.3	400	--	--	--	--	--	--	--	--	--	--	-- --			
		23N/03W-35B01 M																	
08/14/72 1110	5050		74.0F 23.3C	7.0	228	--	--	--	--	--	--	--	--	--	--	-- --			
		24N/01W-36A02 M																	
07/19/72 1325	5050 5050		69.0F 20.5C	7.1 7.5	252 244	--	--	--	--	0 .00	122 2.00	--	5.8 .16	--	--	-- --		108	
		24N/02W-14K01 M																	
07/19/72 1300	5050		69.0F 20.5C	7.0	425	--	--	--	--	--	--	--	--	--	--	-- --			
		24N/02W-30C01 M																	
08/14/72 0855	5050 5050		68.0F 20.0C	7.6 8.0	408 404	--	--	--	--	0 .00	223 3.65	--	15 .42	--	--	-- --		158	
		24N/03W-03P01 M																	
07/20/72 1250	5050		66.0F 18.9C	7.0	345	--	--	--	--	--	--	--	--	--	--	-- --			
		24N/03W-14M01 M																	
07/20/72 1335	5050		71.0F 21.6C	7.4	255	--	--	--	--	--	--	--	--	--	--	-- --			
		24N/03W-17M01 M																	
08/14/72 1400	5050		67.0F 19.4C	7.0	220	--	--	--	--	--	--	--	--	--	--	-- --			
		24N/03W-20N01 M																	
08/14/72 1255	5050		68.0F 20.0C	7.0	152	--	--	--	--	--	--	--	--	--	--	-- --			
		24N/03W-24P01 M																	
08/14/72 0830	5050 5050		68.5F 20.3C	7.3 8.2	715 700	53 2.64 33	47 3.87 48	33 1.44 18	1.3 .03	0 .00	434 7.11 89	21 .44 6	9.8 .28 4	9.3 .15 2	.10	-- --	396 388	326 0	0.8
		24N/03W-33M01 M																	
08/14/72 1230	5050		73.0F 22.8C	7.3	145	--	--	--	--	--	--	--	--	--	--	-- --			
		25N/02W-04M01 M																	
07/14/72 1350	5050		78.0F 25.5C	6.5	273	--	--	--	--	--	--	--	--	--	--	-- --			
		25N/02W-07K01 M																	
07/17/72 1350	5050 5050		68.0F 20.0C	7.1	585 584	--	--	--	--	--	--	--	31 .87	14.0 .23	--	-- --		266	
		25N/02W-16F01 M																	
07/14/72 1415	5050		70.0F 21.1C	7.3	294	--	--	--	--	--	--	--	--	--	--	-- --			
		25N/02W-16P01 M																	
07/14/72 1430	5050		72.0F 22.2C	6.8	300	--	--	--	--	--	--	--	--	--	--	-- --			
		25N/03W-01G02 M																	
07/17/72 1310	5050 5050		69.0F 20.5C	7.2	680 680	--	--	--	--	--	--	--	41 1.16	--	--	-- --		318	
		25N/03W-03N01 M																	
07/20/72 1005	5050		69.0F 20.5C	7.6	382	--	--	--	--	--	--	--	--	--	--	-- --			
		25N/03W-22D01 M																	
07/20/72 1040	5050		72.0F 22.2C	7.3	382	--	--	--	--	--	--	--	--	--	--	-- --			
		25N/03W-31R01 M																	
07/20/72 1235	5050		70.0F 21.1C	7.0	435	--	--	--	--	--	--	--	--	--	--	-- --			
		25N/03W-36C01 M																	
07/20/72 1310	5050		81.0F 27.2C	7.0	350	--	--	--	--	--	--	--	--	--	--	-- --			

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB		TEMP	FIELD LABORATORY PH	FIELD LABORATORY EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	SAR
	5			CENTRAL VALLEY REGION															
	5-21			SACRAMENTO VALLEY															
	5-21.01			TEHAMA COUNTY															
		25N/04W-26A01 M																	
07/20/72	5050		79.0F	7.2	145	5.8	6.7	15	.3	0	73	.0	4.3	9.3	.00	--	121	42	
1130	5050		26.1C	7.5	141	.29	.55	.65	.01	.00	1.20	.00	.12	.15		--	77	0	1.0
						19	37	43	1		82		8	10					
		26N/02W-15M01 M																	
07/14/72	5050		71.0F	7.2	230	--	--	--	--	--	--	--	--	--	--	--			
1315	5050		21.6C													--			
		26N/02W-28P01 M																	
07/14/72	5050		71.0F	7.1	280	--	--	--	--	--	--	--	--	--	--	--			
1335			21.6C													--			
		26N/03W-03N01 M																	
07/17/72	5050		75.0F	7.2	390	--	--	--	--	0	193	--	12	10.0	--	--		173	
1010	5050		23.9C	8.1	391					.00	3.16		.34	.16		--			
											86		9	4					
		26N/03W-04F01 M																	
07/17/72	5050		81.0F	7.3	280	--	--	--	--	--	--	--	--	--	--	--			
0950			27.2C													--			
		26N/03W-26C01 M																	
07/17/72	5050		71.0F	6.9	328	--	--	--	--	--	--	--	--	--	--	--			
1035			21.6C													--			
		26N/03W-32A02 M																	
07/20/72	5050		82.0F	7.2	172	--	--	--	--	--	--	--	--	--	--	--			
0935			27.8C													--			
		26N/03W-36E02 M																	
07/17/72	5050		72.0F	7.8	358	--	--	--	--	--	--	--	--	--	--	--			
1225			22.2C													--			
		26N/03W-36F01 M																	
07/17/72	5050		73.0F		413	--	--	--	--	--	--	--	--	--	--	--			
1230			22.8C													--			
		26N/03W-36K01 M																	
07/17/72	5050		72.0F	7.6	398	--	--	--	--	--	--	--	--	--	--	--			
1245			22.2C													--			
		26N/04W-10D01 M																	
07/13/72	5050		78.0F	7.6	395	--	--	--	--	--	--	--	--	--	--	--			
1210			25.5C													--			
		27N/02W-30C02 M																	
07/14/72	5050		65.0F	6.9	344	--	--	--	--	--	--	--	11	5.2	--	--		142	
1145	5050		18.3C		341								.31	.08		--			
		27N/03W-03K01 M																	
06/20/72	5050					31	19	54	5.1	0	194	35	60	.2	.60	--	372	158	
	5050			7.7	561	1.55	1.56	2.35	.13	.00	3.18	.73	1.69	.00		--	300	0	1.9
						28	28	42	2		57	13	30						
		27N/03W-10B01 M																	
07/13/72	5050		74.0F	7.3	382	--	--	--	--	0	138	--	12	--	--	--		132	
1400	5050		23.3C	8.2	370					.00	2.26		.34			--			
		27N/03W-10Q01 M																	
07/13/72	5050		75.0F	7.9	305	--	--	--	--	--	--	--	13	--	.00	--		71	
1355	5050		23.9C		293								.37			--			
		27N/03W-14N01 M																	
07/20/72	5050					24	21	49	1.0	0	129	9.0	96	12.0	1.20	--	330	147	
1125	5050			7.6	552	1.20	1.73	2.13	.03	.00	2.11	.19	2.71	.19		--	277	41	1.8
						24	34	42	1		41	4	52	4					
		27N/03W-15C01 M																	
07/13/72	5050		73.0F	7.2	385	--	--	--	--	--	--	--	--	--	--	--			
1345			22.8C													--			
		27N/03W-15N01 M																	
07/13/72	5050		85.0F	7.2	525	36	22	34	2.6	0	201	4.9	47	15.0	.70	--		179	
1315	5050		29.4C	8.0	508	1.80	1.81	1.48	.07	.00	3.29	.10	1.33	.24		--	261	16	1.1
						35	35	29	1		66	2	27	5					
		27N/03W-19A01 M																	
07/13/72	5050		69.0F	7.5	242	--	--	--	--	--	--	--	4.4	--	--	--		89	
1300	5050		20.5C		233								.12			--			
		27N/03W-20A01 M																	
07/14/72	5050		68.0F	7.3	239	--	--	--	--	0	131	--	4.6	--	--	--		90	
0840	5050		20.0C	7.9	238					.00	2.15		.13			--			

TABLE E-1 (CONTINUED)
MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB		TEMP	FIELD LABORATORY PH	FIELD LABORATORY EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F / SIO2	MILLIGRAMS PER LITER TDS SUM	TH NCH	SAR
	5			CENTRAL VALLEY REGION															
	5-21			SACRAMENTO VALLEY															
	5-21.01			TEHAMA COUNTY															
	27N/03W-21C01M	M																	
06/20/72	5050					22	12	14	1.9	0	147	6.6	4.0	5.1	.00	--	192	106	
	5050			7.8	261	1.10	.99	.61	.05	.00	2.41	.14	.11	.08		--	138	0	0.6
						40	36	22	2		88	5	4	3					
	27N/03W-22B01	M																	
07/14/72	5050		68.0F	7.0	522	--	--	--	--	--	--	--	--	--	--	--			
1000			20.0C													--			
	27N/03W-23D01	M																	
07/13/72	5050		70.0F	7.2	610	--	--	--	--	--	--	--	--	--	--	--			
1430	5050		21.1C													--			
	27N/03W-25D01	M																	
07/14/72	5050		69.0F	6.9	440	--	--	--	--	--	--	--	14	29.0	--	--		183	
1200	5050		20.5C		431								.39	.47		--			
	27N/03W-31A01	M																	
07/14/72	5050		97.0F	7.5	270	--	--	--	--	--	--	--	--	--	--	--			
0825			36.1C													--			
	27N/04W-01H02	M																	
07/13/72	5050		73.0F	7.6	240	--	--	--	--	--	--	--	3.7	--	--	--		85	
0845	5050		22.8C		233								.10			--			
	27N/04W-03J01	M																	
07/13/72	5050		74.0F	7.3	227	--	--	--	--	--	--	--	--	--	--	--			
0910			23.3C													--			
	27N/04W-12P01	M																	
07/13/72	5050					22	11	19	1.8	0	157	.0	5.9	4.2	.00	--	183	99	
1020	5050			8.0	260	1.10	.90	.83	.05	.00	2.57	.00	.17	.07		--	141	0	0.8
						38	31	29	2		91		6	2					
	27N/04W-24C01	M																	
07/13/72	5050		72.0F	7.2	305	--	--	--	--	--	--	--	--	--	--	--			
1015			22.2C													--			
	27N/04W-26J01	M																	
07/13/72	5050		70.0F	7.1	334	--	--	--	--	--	--	--	--	--	--	--			
1145			21.1C													--			
	5-21.02			GLENN COUNTY															
	18N/01W-16H01	M																	
07/28/72	5050		76.0F	8.0	485	--	--	--	--	--	--	--	--	--	--	--			
1240			24.4C													--			
	18N/02W-01E01	M																	
07/28/72	5050		66.0F	7.8	740	--	--	--	--	--	--	--	--	--	--	--			
1150	5050		18.9C													--			
	18N/02W-07F01	M																	
7/28/72	5050		67.0F	7.7	620	--	--	--	--	--	--	--	--	--	--	--			
1020			19.4C													--			
	18N/03W-10K01	M																	
07/28/72	5050		71.0F	7.8	675	--	--	--	--	0	299	--	22	--	--	--		195	
1050	5050		21.6C	7.9	630					.00	4.90		.62			--			
	18N/04W-02F01	M																	
07/28/72	5050		86.0F	7.6	1350	--	--	--	--	--	--	--	122	78.0	--	--		437	
0950	5050		30.0C		1290								3.44	1.26		--			
	19N/01W-07B03	M																	
07/28/72	5050		68.0F	7.8	395	--	--	--	--	--	--	--	--	--	--	--			
1425			20.0C													--			
	19N/02W-06G01	M																	
07/28/72	5050		70.0F	7.1	275	17	18	9.2	.6	0	137	4.3	8.4	3.3	.00	--	172	116	
0850	5050		21.1C	7.6	256	.85	1.48	.40	.02	.00	2.25	.09	.24	.05		--	128	4	0.4
						31	54	15	1		86	3	9	2					
	19N/03W-04E01	M																	
07/28/72	5050		69.0F	7.6	690	--	--	--	--	0	324	--	14	--	--	--		216	
0905	5050		20.5C	8.2	646					.00	5.31		.39			--			
	19N/03W-04L01	M																	
01/13/72	5701		68.2F			40	4.0	43	1.0	.9	225	4.0	15	3.0	--	.2	247	116	
	5701		20.1C	7.7	387	2.00	.33	1.87	.03	.03	3.69	.08	.42	.05		24.0	246	0	1.7
						47	8	44	1	1	86	2	10	1					
	19N/03W-09A01	M																	
08/22/72	5701		68.0F			21	19	37	1.3	1.8	218	9.0	10	6.0	--	.2	234	128	
	5701		20.0C	8.1	385	1.05	1.56	1.61	.03	.06	3.57	.19	.28	.10		20.0	232	0	1.4
						25	37	38	1	1	85	5	7	2					

TABLE E-1 (CONTINUED)
MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB	TEMP	FIELD LABORATORY PH	FIELD LABORATORY EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	MILLIGRAMS PER LITER F	SIO2	TDS SUM	TH NCH	SAR
	5	CENTRAL VALLEY REGION																	
	5-21	SACRAMENTO VALLEY																	
	5-21.02	GLENN COUNTY																	
	19N/03W-09F01 M																		
05/25/72	5701	68.0F			33	29	52	1.1	1.5	292	45	11	7.0	--	.4		352	199	
	5701	20.0C	8.0	572	1.65	2.38	2.26	.03	.05	4.79	.94	.31	.11		26.0		349	0	1.6
					26	38	36		1	77	15	5	2						
	19N/03W-09J01 M																		
07/28/72	5050	68.0F	7.6	540	--	--	--	--	--	--	--	8.4	6.7	--	--			175	
0920	5050	20.0C		521								.24	.11		--				
	19N/03W-09R01 M																		
05/25/72	5701	68.0F			24	23	54	1.1	1.5	265	25	11	7.0	--	.4		304	154	
	5701	20.0C	8.0	499	1.20	1.89	2.35	.03	.05	4.34	.52	.31	.11		25.0		302	0	1.9
					22	35	43	1	1	81	10	6	2						
	19N/03W-10D01 M																		
08/22/72	5701	68.0F			38	23	68	1.1	1.2	332	44	14	8.0	--	.4		386	192	
	5701	20.0C	7.8	640	1.90	1.89	2.96	.03	.04	5.44	.92	.39	.13		22.0		383	0	2.1
					28	28	44		1	79	13	6	2						
	19N/03W-18P01 M																		
07/28/72	5050	67.0F	7.6	700	--	--	--	--	--	--	--	38	10.0	--	--			235	
0930	5050	19.4C		674								1.07	.16		--				
	19N/03W-26P01 M																		
07/28/72	5050	74.0F	7.7	635	--	--	--	--	--	--	--	14	--	--	--			210	
1105	5050	23.3C		611								.39			--				
	20N/02W-11Q01 M																		
07/28/72	5050	68.0F	7.4	480	--	--	--	--	--	--	--	--	--	--	--				
1505		20.0C													--				
	20N/02W-13Q01 M																		
07/28/72	5050	71.0F	7.8	530	--	--	--	--	--	--	--	--	--	--	--				
1500		21.6C													--				
	20N/02W-22E01 M																		
07/28/72	5050	76.0F	7.9	310	--	--	--	--	--	--	--	--	--	--	--				
1445		24.4C													--				
	20N/03W-16E01 M																		
07/26/72	5050	79.0F	7.9	300	--	--	--	--	--	--	--	--	--	--	--				
1805		26.1C													--				
	20N/03W-16E02 M																		
07/26/72	5050	71.0F	7.8	295	--	--	--	--	--	--	--	--	--	--	--				
1750		21.6C													--				
	20N/03W-26R01 M																		
07/28/72	5050	68.0F	7.2	590	--	--	--	--	--	--	--	--	--	--	--				
0835		20.0C													--				
	20N/04W-02Q01 M																		
07/28/72	5050	76.0F	7.8	380	--	--	--	--	--	--	--	--	--	--	--				
1735		24.4C													--				
	21N/01W-29N01 M																		
07/28/72	5050	70.0F	7.4	470	--	--	--	--	--	--	--	--	--	--	--				
1525		21.1C													--				
	21N/02W-15C01 M																		
07/26/72	5050	68.0F	7.5	540	--	--	--	--	--	--	--	--	--	--	--				
1605		20.0C													--				
	21N/03W-02Q01 M																		
07/26/72	5050	68.0F	7.2	750	--	--	--	--	--	--	--	33	42.0	--	--			312	
1640	5050	20.0C		685								.93	.68		--				
	21N/03W-08A02 M																		
07/26/72	5050	69.0F	7.9	315	--	--	--	--	--	--	--	--	--	--	--				
1655		20.5C													--				
	22N/01W-29C01 M																		
07/26/72	5050	67.0F	7.1	560	--	--	--	--	--	--	--	26	--	.20	--			232	
1445	5050	19.4C		537								.73			--				
	22N/02W-03A01 M																		
07/26/72	5050	72.0F	7.1	580	--	--	--	--	--	--	--	--	--	--	--				
1415		22.2C													--				
	22N/02W-07N01 M																		
07/26/72	5050	70.0F	7.1	570	--	--	--	--	--	--	--	--	--	--	--				
1350		21.1C													--				

TABLE E-1 (CONTINUED)
MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB		TEMP	FIELD LABORATORY PH	FIELD LABORATORY EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	SIO2	MILLIGRAMS PER LITER TDS SUM	TH NCH	SAR
	5	CENTRAL VALLEY REGION																	
	5-21	SACRAMENTO VALLEY																	
	5-21.02	GLENN COUNTY																	
	22N/02W-20Q01	M																	
07/26/72	S050		67.0F	7.2	500	--	--	--	--	--	--	--	--	--	--	--			
1520			19.4C													--			
	22N/02W-26B01	M																	
07/26/72	S050		65.0F	7.2	470	--	--	--	--	--	--	--	--	--	--	--			
1455			18.3C													--			
	22N/03W-06H01	M																	
07/26/72	S050		65.0F	7.1	800	--	--	--	--	--	--	--	--	--	--	--			
1225			18.3C													--			
	22N/03W-17E01	M																	
07/27/72	S050		70.0F	7.1	450	--	--	--	--	0	212	--	19	--	--	--		184	
1150	S050		21.1C	7.8	435					.00	3.47		.54			--			
	22N/03W-17K01	M																	
07/26/72	S050		79.0F	7.1	540	--	--	--	--	--	--	--	--	--	--	--			
1135			26.1C													--			
	22N/03W-22G02	M																	
07/26/72	S050		67.0F	7.1	420	--	--	--	--	--	--	--	--	--	--	--			
1110			19.4C													--			
	22N/03W-22Q01	M																	
07/26/72	S050		70.0F	7.1	510	--	--	--	--	--	--	--	--	--	--	--			
1100			21.1C													--			
	22N/03W-25B01	M																	
07/26/72	S050		66.0F	7.1	460	--	--	--	--	--	--	--	--	--	--	--			
1030			18.9C													--			
	22N/03W-32R02	M																	
07/28/72	S050		66.0F	7.1	420	--	--	--	--	--	--	--	19	--	--	--		156	
1600	S050		18.9C		392								.54			--			
	22N/04W-10B01	M																	
07/26/72	S050		71.0F	7.1	560	--	--	--	--	--	--	--	--	--	--	--			
1205	S050		21.6C													--			
	5-21.03	BUTTE COUNTY																	
	17N/01E-01R01	M																	
08/16/72	S050		65.0F	7.6	710	--	--	--	--	--	--	--	--	--	--	--			
1335	S050		18.3C													--			
	17N/03E-18Q01	M																	
08/21/72	S050		67.0F	7.2	615	--	--	--	--	--	--	--	--	--	--	--			
1405			19.4C													--			
	17N/03E-20C01	M																	
08/21/72	S050		70.0F	7.2	405	25	27	14	1.0	0	180	18	7.5	30.0	.00	--	277	174	
1425	S050		21.1C	7.7	400	1.25	2.22	.61	.03	.00	2.95	.37	.21	.48		--	211	26	0.5
						30	54	15	1		74	9	5	12					
	17N/04E-16M01	M																	
08/21/72	S050		73.0F	6.8	258	--	--	--	--	--	--	--	--	--	--	--			
1045			22.8C													--			
	18N/01E-14R01	M																	
08/16/72	S050		66.0F	7.4	335	--	--	--	--	--	--	--	3.7	--	--	--		138	
1240	S050		18.9C		328								.10			--			
	18N/02E-12G01	M																	
08/21/72	S050		66.0F	7.0	235	--	--	--	--	--	--	--	--	--	--	--			
1230			18.9C													--			
	18N/02E-13R05	M																	
08/21/72	S050		69.0F	7.2	185	--	--	--	--	--	--	--	--	--	--	--			
1345			20.5C													--			
	18N/02E-14K01	M																	
08/21/72	S050		70.0F	7.3	288	--	--	--	--	0	147	--	6.9	--	--	--		114	
1330	S050		21.1C	7.9	276					.00	2.41		.19			--			
	18N/03E-25J01	M																	
08/18/72	S050		72.0F	7.2	219	--	--	--	--	--	--	--	11	14.0	--	--		78	
1300	S050		22.2C		198								.31	.23		--			
	18N/03E-29P01	M																	
08/21/72	S050		69.0F		210	--	--	--	--	--	--	--	--	--	--	--			
1200			20.5C													--			

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB		TEMP	FIELD LABORATORY PH	FIELD LABORATORY EC	MINERAL CONSTITUENTS IN MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	MILLIGRAMS PER LITER SIO2	F	TDS SUM	TH NCH	SAR
	5	CENTRAL VALLEY REGION																		
	5-21	SACRAMENTO VALLEY																		
	5-21.03	BUTTE COUNTY																		
	18N/03E-33N01	M																		
08/21/72	5050		69.0F	7.4	260	--	--	--	--	--	--	--	--	--	--	--	--			
1145			20.5C														--			
	18N/04E-21P01	M																		
08/18/72	5050		72.0F	7.0	270	--	--	--	--	--	--	--	--	--	--	--	--			
1225			22.2C														--			
	18N/04E-28M01	M																		
08/18/72	5050		75.0F	8.0	2750	44	11	550	3.0	0	153	752	304	5.9	6.00	--	1820	155		
1245	5050		23.9C	7.8	2830	2.20	.90	23.93	.08	.00	2.51	15.66	8.57	.10		--	1751	30	19.2	
						8	3	88			9	58	32							
	19N/02E-16R01	M																		
08/16/72	5050		66.0F	7.4	265	--	--	--	--	--	--	--	14	--	--	--		109		
1155	5050		18.9C		254								.39			--				
	19N/04E-06P01	M																		
08/18/72	5050		74.0F	7.3	183	--	--	--	--	0	100	--	4.2	1.7	--	--		71		
1145	5050		23.3C	7.7	180					.00	1.64		.12	.03		--				
											92		7	2						
	19N/04E-07P01	M																		
07/13/72	5701		68.0F			39	18	33	2.5	1.2	183	41	36	7.0	--	.1	313	170		
	5701		20.0C	8.0	482	1.95	1.48	1.44	.06	.04	3.00	.85	1.02	.11		44.0	312	20	1.1	
						40	30	29	1	1	60	17	20	2						
	19N/04E-20C01	M																		
07/05/72	5701		68.0F			30	16	23	.9	0	190	12	13	11.0	--	.2	261	138		
	5701		20.0C	7.1	364	1.50	1.32	1.00	.02	.00	3.11	.25	.37	.18		60.0	259	0	0.8	
						39	34	26	1		80	6	9	5						
	19N/04E-20N01	M																		
07/05/72	5701					26	19	25	1.1	0	200	12	13	12.0	--	.8	269	142		
	5701			7.1	378	1.30	1.56	1.09	.03	.00	3.28	.25	.37	.19		60.0	266	0	0.9	
						33	39	27	1		80	6	9	5						
	20N/01E-01C01	M																		
08/15/72	5050		66.0F	7.2	700	--	--	--	--	0	351	--	12	43.0	--	--		338		
1240	5050		18.9C	7.7	680					.00	5.75		.34	.69		--				
											85		5	10						
	20N/01E-04J01	M																		
08/15/72	5050		66.0F	7.3	585	--	--	--	--	0	263	--	18	48.0	--	--		269		
1220	5050		18.9C	7.9	579					.00	4.31		.51	.77		--				
											77		9	14						
	20N/02E-04D01	M																		
08/16/72	5050		64.0F	7.3	288	22	18	9.4	2.0	0	162	--	7.0	4.1	.00	--	207	130		
1045	5050		17.8C	8.0	270	1.10	1.48	.41	.05	.00	2.66		.20	.07		--		0	0.4	
						36	49	13	2		91		7	2						
	20N/02E-29R03	M																		
08/16/72	5050		65.0F	7.4	540	--	--	--	--	--	--	--	--	--	--	--				
1110			18.3C													--				
	20N/03E-15H01	M																		
08/16/72	5050		70.0F	6.8	192	--	--	--	--	0	82	--	2.3	--	--	--		78		
1100	5050		21.1C	7.4	181					.00	1.34		.06			--				
	21N/01E-08H02	M																		
08/16/72	5050		65.0F	7.3	490	--	--	--	--	0	243	--	7.1	38.0	--	--		225		
0920	5050		18.3C	7.8	489					.00	3.98		.20	.61		--				
											83		4	13						
	21N/01E-21R01	M																		
08/16/72	5050		65.0F	7.3	490	25	22	9.4	.8	0	195	.0	5.5	1.5	.00	--	210	155		
0920	5050		18.3C	7.8	309	1.25	1.81	.41	.02	.00	3.20	.00	.16	.02		--	160	0	0.3	
						36	52	12	1		95		5	1						
	21N/01E-34M01	M																		
08/15/72	5050		64.0F	7.1	700	53	49	18	.6	0	409	2.6	8.2	29.0	.00	--	400	336		
1200	5050		17.8C	7.9	662	2.64	4.03	.78	.02	.00	6.70	.05	.23	.47		--	362	0	0.4	
						35	54	10			90	1	3	6						
	21N/02E-21M01	M																		
08/16/72	5050		66.0F	7.0	242	--	--	--	--	0	130	--	3.5	1.4	--	--		106		
1010	5050		18.9C	7.6	234					.00	2.13		.10	.02		--				
											95		4	1						
	21N/02E-30F01	M																		
08/16/72	5050		66.0F	7.2	380	--	--	--	--	--	--	--	--	--	--	--				
0950			18.9C													--				
	21N/03E-10K01	M																		
08/18/72	5050		71.0F	7.0	222	--	--	--	--	--	--	--	--	--	--	--				
1035			21.6C													--				
	21N/03E-10Q01	M																		
08/18/72	5050		68.0F	7.0	260	--	--	--	--	--	--	--	3.8	--	--	--		119		
1025	5050		20.0C		256								.11			--				

TABLE E-1 (CONTINUED)
MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB		TEMP	FIELD LABORATORY PH	FIELD LABORATORY EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE									B	F SIO2	TDS SUM	TH NCH	SAR
						CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3					
	S		CENTRAL VALLEY REGION																
	S-21		SACRAMENTO VALLEY																
	S-21.03		BUTTE COUNTY																
	22N/01E-05C01	M																	
08/15/72 0855	5050		64.0F 17.8C	6.9	362	--	--	--	--	--	--	--	--	--	--	-- --			
	22N/01E-05F01	M																	
08/15/72 0905	5050		65.0F 18.3C	7.3	190	--	--	--	--	--	--	--	--	--	--	-- --			
	22N/01E-23C01	M																	
06/14/72	5701		67.0F			22	8.0	11	1.5	.3	116	3.0	7.0	6.0	--	.1	178	88	
	5701		19.4C	7.7	217	1.10	.66	.48	.04	.01	1.90	.06	.20	.10		61.0	177	0	0.5
						48	29	21	2		84	3	9	4					
	22N/01E-23L01	M																	
08/09/72	5701		65.0F			19	12	13	1.7	.3	119	5.0	9.0	9.0	--	.1	182	96	
	5701		18.3C	7.7	234	.95	.99	.57	.04	.01	1.95	.10	.25	.15		53.0	181	0	0.6
						37	39	22	2		79	4	10	6					
	22N/01E-25M01	M																	
06/14/72	5701		64.0F			20	10	11	1.7	.6	121	3.0	9.0	7.0	--	.1	175	92	
	5701		17.8C	8.0	217	1.00	.82	.48	.04	.02	1.98	.06	.25	.11		52.0	174	0	0.5
						43	35	21	2	1	82	2	10	5					
	22N/01E-27G02	M																	
06/14/72	5701		66.0F			43	23	19	1.7	.6	257	12	14	9.0	--	.0	360	204	
	5701		18.9C	7.6	448	2.15	1.89	.83	.04	.02	4.21	.25	.39	.15		59.0	308	0	0.6
						44	38	17	1		84	5	8	3					
	22N/02E-17E01	M																	
08/15/72 1005	5050		66.0F 18.9C	7.2	227	--	--	--	--	--	--	--	--	--	--	-- --			
	21N/01W-35C01	M																	
08/15/72 1125	5050		66.0F 18.9C	7.3	455	--	--	--	--	--	--	--	--	--	--	-- --			
	23N/01W-09L01	M																	
08/15/72 0810	5050 5050		64.0F 17.8C	7.0	570	--	--	--	--	--	--	--	--	--	--	-- --			
	23N/01W-16R01	M																	
08/15/72	5050		66.0F	7.2	455	36	28	13	1.8	0	229	8.4	8.3	27.0	.00	--	302	206	
0835	5050		18.9C	7.9	437	1.80	2.30	.57	.05	.00	3.75	.17	.23	.44		--	235	18	0.4
						38	49	12	1		82	4	5	10					
	S-21.04		COLUSA COUNTY																
	13N/01E-22J01	M																	
08/23/72 0930	5050 5050		65.0F 18.3C	7.1	500	--	--	--	--	--	--	--	--	--	--	-- --			
	14N/01E-16K01	M																	
08/23/72 1225	5050		65.0F 18.3C	7.8	580	--	--	--	--	--	--	--	--	--	--	-- --			
	13N/01W-06Q01	M																	
08/23/72	5050		72.0F	7.2	1600	--	--	--	--	0	280	--	293	30.0	--	--		514	
1100	5050		22.2C	7.9	1490					.00	4.59		8.26	.48		--			
											34		62	4					
	13N/01W-07A01	M																	
08/23/72	5050		75.0F	7.6	1550	--	--	--	--	0	178	--	330	20.0	--	--		495	
1020	5050		23.9C	7.8	1470					.00	2.92		9.31	.32		--			
											23		74	3					
	13N/01W-30F01	M																	
08/23/72 0825	5050		70.0F 21.1C	7.8	465	--	--	--	--	--	--	--	--	--	--	-- --			
	13N/01W-36Q02	M																	
08/23/72	5050		70.0F	7.6	520	--	--	--	--	--	--	--	52	4.4	--	--		161	
0850	5050		21.1C		509								1.47	.07		--			
	13N/02W-26A01	M																	
08/22/72	5050			7.4	800	--	--	--	--	--	--	--	85	16.0	--	--		276	
1615	5050				753								2.40	.26		--			
	13N/02W-26G01	M																	
08/22/72 1630	5050		73.0F 22.8C	7.6	610	--	--	--	--	--	--	--	--	--	--	-- --			
	14N/01W-02D01	M																	
08/23/72 1255	5050		68.0F 20.0C	7.4	1310	--	--	--	--	--	--	--	--	--	--	-- --			
	14N/02W-29J01	M																	
08/22/72	5050		76.0F	7.3	340	--	--	--	--	0	150	--	22	--	--	--		113	
1440	5050		24.4C	7.9	338					.00	2.46		.62			--			

TABLE E-1 (CONTINUED)
MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB	TEMP	FIELD LABORATORY PH	FIELD LABORATORY EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	MILLIGRAMS PER LITER TDS SUM	TH NCH	SAR
	5		CENTRAL VALLEY REGION															
	5-21		SACRAMENTO VALLEY															
	5-21.04		COLUSA COUNTY															
	14N/02W-35P01 M																	
08/22/72	5050	70.0F	7.7	600	--	--	--	--	--	--	--	68	--	.50	--		176	
1510	5050	21.1C		577								1.92			--			
	14N/03W-11H01 M																	
08/22/72	5050	68.0F	7.2	480	--	--	--	--	--	--	--	32	--	.00	--		202	
1330	5050	20.0C		536								.90			--			
	14N/03W-14Q02 M																	
08/22/72	5050	72.0F	7.4	980	44	51	74	.7	0	265	108	102	4.3	.20	--	538	322	
1400	5050	22.2C	8.0	919	2.20	4.19	3.22	.02	.00	4.34	2.25	2.88	.07		--	515	103	1.8
					23	44	33			45	24	30	1					
	15N/02W-32R01 M																	
08/22/72	5050	68.0F	7.4	700	--	--	--	--	--	--	--	--	--	--	--			
1210		20.0C													--			
	15N/03W-01R01 M																	
08/22/72	5050	70.0F	7.6	1100	--	--	--	--	0	367	--	92	--	--	--		239	
1030	5050	21.1C	8.2	1040					.00	6.02		2.59			--			
	15N/03W-26L01 M																	
08/22/72	5050	76.0F	7.4	725	--	--	--	--	--	--	--	41	6.2	--	--		207	
1100	5050	24.4C		690								1.16	.10		--			
	16N/01W-19F03 M																	
08/22/72	5050	63.0F	8.0	400	--	--	--	--	--	--	--	--	--	--	--			
0740		17.2C													--			
	16N/01W-29J01 M																	
08/22/72	5050	78.0F	7.9	505	--	--	--	--	0	297	--	12	--	--	--		191	
0850	5050	25.5C	8.1	484					.00	4.87		.34			--			
	16N/02W-04H01 M																	
08/23/72	5050	68.0F	7.8	540	--	--	--	--	--	--	--	--	--	--	--			
1340		20.0C													--			
	16N/02W-25B02 M																	
08/27/72	5050	66.0F	7.4	1000	30	34	142	1.4	0	477	84	26	.9	.30	--	584	214	
0825	5050	18.9C	8.1	946	1.50	2.80	6.18	.04	.00	7.82	1.75	.73	.01		--	553	0	4.2
					14	27	59			76	17	7						
	16N/02W-25B03 M																	
07/22/72	5050	69.0F	7.4	1180	--	--	--	--	--	--	--	--	--	--	--			
0815		20.5C													--			
	16N/02W-35B01 M																	
08/22/72	5050	73.0F	7.6	750	--	--	--	--	--	--	--	--	--	--	--			
0955		22.8C													--			
	16N/03W-09N01 M																	
08/24/72	5050	74.0F	8.0	610	--	--	--	--	--	--	--	--	--	--	--			
0815		23.3C													--			
	17N/01W-30K03 M																	
08/24/72	5050	65.0F	7.9	505	--	--	--	--	--	--	--	--	--	--	--			
1020		18.3C													--			
	17N/02W-12C01 M																	
08/23/72	5050	70.0F	7.9	520	--	--	--	--	--	--	--	--	--	--	--			
1430	5050	21.1C													--			
	17N/02W-30J02 M																	
08/23/72	5050	71.0F	7.6	1900	--	--	--	--	0	377	--	176	--	--	--		401	
1400	5050	21.6C	8.1	1780					.00	6.18		4.96			--			
	17N/03W-32M01 M																	
08/24/72	5050	66.0F	7.6	640	--	--	--	--	--	303	--	14	--	--	--		177	
0745	5050	18.9C	8.2	606						4.97		.39			--			
	17N/03W-33R01 M																	
08/23/72	5050	70.0F	8.0	1100	--	--	--	--	0	273	--	130	--	--	--		202	
0910	5050	21.1C	8.2	1040					.00	4.47		3.67			--			
	5-21.05		SUTTER COUNTY															
	11N/03E-14R01 M																	
08/10/72	5050	64 F	8.1	1600	--	--	216	--	0	283	--	269	--	--	--		171	
1500	5050	18 C	8.1	1280			9.40		.00	4.64		7.59			--			
	11N/04E-13H01 M																	
08/09/72	5050	68 F	7.6	300	--	--	24	--	0	125	--	20	--	--	--		83	
1100	5050	20 C	7.9	269			1.04		.00	2.05		.56			--			

TABLE E-1 (CONTINUED)
MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB		TEMP	FIELD PH	FIELD EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	SAR
	5			CENTRAL VALLEY REGION															
	5-21			SACRAMENTO VALLEY															
	5-21.05			SUTTER COUNTY															
	11N/04E-23P02	M																	
08/09/72	5050		68	F	7.7	350	--	--	26	--	0	153	--	22	--	--	--		112	
1500	5050		20	C	7.8	321			1.13		.00	2.51		.62			--			
	12N/02E-06D01	M																	
08/11/72	5050		65	F	8.1	640	--	--	75	--	0	291	--	18	--	--	--		107	
0815	5050		18	C	8.2	524			3.26		.00	4.77		.51			--			
	12N/02E-26Q01	M																	
08/11/72	5050		65	F	8.1	1400	--	--	170	--	0	308	--	169	--	--	--		136	
0730	5050		18	C	8.3	994			7.40		.00	5.05		4.77			--			
	12N/03E-26R01	M																	
08/10/72	5050		65	F	7.6	1200	--	--	68	--	0	229	--	163	--	--	--		260	
0745	5050		18	C	8.0	878			2.96		.00	3.75		4.60			--			
	12N/04E-05R05	M																	
08/04/72	5050		69	F	7.9	265	16	7.1	25	2.4	0	140	2.5	6.2	1.0	.20	--	166	69	
1200	5050		21	C	7.9	241	.80	.58	1.09	.06	.00	2.29	.05	.17	.02		--	129	0	1.3
							32	23	43	2		91	2	7	1					
	13N/02E-17A01	M																	
08/11/72	5050		64	F	7.7	2400	--	--	196	--	0	307	--	305	--	--	--		266	
0915	5050		18	C	8.1	1450			8.53		.00	5.03		8.60			--			
	13N/03E-15C03	M																	
08/10/72	5050		68	F	7.5	6000	--	--	94	--	0	325	--	738	--	--	--		1080	
0830	5050		20	C	7.6	2740			4.09		.00	5.33		20.81			--			
	13N/04E-24N01	M																	
08/04/72	5050		67	F	7.5	305	--	--	20	--	0	103	--	29	--	--	--		95	
1100	5050		19	C	8.0	276			.87		.00	1.69		.82			--			
	13N/05E-07Q02	M																	
08/04/72	5050		67	F	7.1	800	--	--	30	--	0	263	--	18	--	--	--		290	
1030	5050		19	C	7.9	682			1.31		.00	4.31		.51			--			
	14N/02E-17A03	M																	
08/11/72	5050		66	F	7.8	420	--	--	32	--	0	216	--	8.3	--	--	--		124	
1000	5050		19	C	8.2	377			1.39		.00	3.54		.23			--			
	14N/03E-20H03	M																	
08/10/72	5050		67	F	7.5	1150	--	--	45	--	0	334	--	98	--	--	--		389	
0915	5050		19	C	8.0	907			1.96		.00	5.47		2.76			--			
	15N/01E-14B01	M																	
08/11/72	5050		72	F	7.2	165	--	--	11	--	0	52	--	7.9	--	--	--		49	
1300	5050		22	C	7.7	148			.48		.00	.85		.22			--			
	15N/03E-29G03	M																	
08/10/72	5050		66	F	7.5	1300	--	--	46	--	0	522	--	52	--	--	--		495	
1000	5050		19	C	8.1	1020			2.00		.00	8.56		1.47			--			
	16N/03E-20F02	M																	
08/10/72	5050		67	F	7.3	790	--	--	21	--	0	330	--	17	--	--	--		330	
1100	5050		19	C	8.3	666			.91		.00	5.41		.48			--			
	17N/01E-25D01	M																	
08/10/72	5050		67	F	7.1	740	--	--	27	--	0	144	--	86	--	--	--		243	
1330	5050		19	C	8.1	648			1.17		.00	2.36		2.43			--			
	17N/02E-35A02	M																	
08/10/72	5050		65	F	7.7	520	--	--	15	--	0	290	--	6.2	--	--	--		222	
1230	5050		18	C	8.1	468			.65		.00	4.75		.17			--			
	5-21.06			YUBA COUNTY															
	13N/04E-12H04	M																	
08/03/72	5050		64	F	7.3	1200	--	--	106	--	0	420	--	35	--	--	--		290	
1030	5050		18	C	8.1	994			4.61		.00	6.88		.99			--			
	14N/04E-20D02	M																	
08/04/72	5050		67	F	7.9	360	--	--	20	--	0	121	--	35	--	--	--		110	
0940	5050		19	C	8.0	311			.87		.00	1.98		.99			--			
	14N/05E-16Q01	M																	
08/03/72	5050		67	F	6.9	1100	--	--	25	--	0	73	--	238	--	--	--		354	
1230	5050		19	C	7.4	943			1.09		.00	1.20		6.71			--			
	14N/05E-18E01	M																	
08/03/72	5050		70	F	7.3	205	--	--	13	--	0	94	--	7.3	--	--	--		74	
1300	5050		21	C	8.0	189			.57		.00	1.54		.21			--			

TABLE E-1 (CONTINUED)
MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB		TEMP	FIELD LABORATORY PH	FIELD LABORATORY EC	MINERAL CONSTITUENTS IN MILLIEQUIVALENTS PER LITER CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	MILLIGRAMS PER LITER B	F	SIO2	TDS SUM	TH NCH	SAR
	5			CENTRAL VALLEY REGION																
	5-21			SACRAMENTO VALLEY																
	5-21.06			YUBA COUNTY																
	14N/05E-21Q01	M																		
08/03/72	5050		70	F 7.1	1700	--	--	140	--	0	90	--	341	--	--	--			280	
1200	5050		21	C 7.8	1290			6.09		.00	1.48		9.62			--				
	15N/04E-05D02	M																		
08/04/72	5050		66	F 7.5	330	--	--	16	--	0	135	--	7.0	--	--	--			109	
0745	5050		19	C 8.0	281			.70		.00	2.21		.20			--				
	15N/04E-21D01	M																		
08/03/72	5050		65	F 7.9	550	--	--	16	--	0	260	--	4.0	--	--	--			290	
1440	5050		18	C 7.9	510			.70		.00	4.26		.11			--				
	15N/04E-23Q01	M																		
08/03/72	5050		70	F 7.5	215	--	--	14	--	0	121	--	4.7	--	--	--			78	
1330	5050		21	C 7.9	198			.61		.00	1.98		.13			--				
	15N/05E-07B01	M																		
08/03/72	5050		68	F 7.9	325	--	--	18	--	0	139	--	4.4	--	--	--			120	
1400	5050		20	C 7.9	296			.78		.00	2.28		.12			--				
	16N/03E-24M02	M																		
08/04/72	5050		64	F 7.3	600	--	--	19	--	0	264	--	6.9	--	--	--			236	
0840	5050		18	C 7.8	507			.83		.00	4.33		.19			--				
	16N/04E-27F02	M																		
08/04/72	5050		66	F 7.3	220	--	--	23	--	0	107	--	7.8	--	--	--			53	
0800	5050		19	C 7.8	193			1.00		.00	1.75		.22			--				
	5-21.07			PLACER COUNTY																
	11N/05E-23B01	M																		
08/02/72	5050		71	F 7.2	315	17	13	21	.9	0	124	3.3	21	6.5	.20	--	230	97		
1430	5050		22	C 7.5	284	.85	1.07	.91	.02	.00	2.03	.07	.59	.10		--	144	0	0.9	
						30	38	32	1		73	3	21	4						
	11N/05E-29E01	M																		
08/03/72	5050		69	F 7.8	320	--	--	25	--	0	129	--	19	--	--	--			88	
0730	5050		21	C 7.8	269			1.09		.00	2.11		.54			--				
	12N/05E-12Q01	M																		
08/03/72	5050		68	F 7.3	250	14	11	15	.3	0	94	2.5	13	12.0	.00	--	190	78		
0915	5050		20	C 7.7	221	.70	.90	.65	.01	.00	1.54	.05	.37	.19		--	114	3	0.7	
						31	40	29			72	2	17	9						
	12N/05E-34K01	M																		
08/03/72	5050		70	F 7.3	290	--	--	17	--	0	131	--	10	--	--	--			100	
0815	5050		21	C 7.7	249			.74		.00	2.15		.28			--				
	5-21.08			SACRAMENTO COUNTY																
	05N/05E-10C02	M																		
07/25/72	5050		67	F 7.7	380	--	--	27	--	0	198	--	11	--	--	--			141	
1315	5050		19	C 7.9	354			1.17		.00	3.25		.31			--				
	05N/06E-20J03	M																		
07/25/72	5050		68	F 7.7	270	--	--	22	--	0	132	--	11	--	--	--			78	
1245	5050		20	C 7.8	245			.96		.00	2.16		.31			--				
	05N/07E-21D01	M																		
07/26/72	5050		69	F 7.1	280	--	--	18	--	0	98	--	27	--	--	--			89	
1040	5050		21	C 7.4	251			.78		.00	1.61		.76			--				
	06N/05E-27G01	M																		
07/25/72	5050		68	F 7.9	280	--	--	19	--	0	145	--	6.6	--	--	--			94	
1400	5050		20	C 7.9	251			.83		.00	2.38		.19			--				
	06N/06E-05E01	M																		
07/25/72	5050		68	F 7.5	230	--	--	12	--	0	117	--	5.3	--	--	--			86	
1430	5050		20	C 7.8	207			.52		.00	1.92		.15			--				
	06N/07E-23A01	M																		
07/26/72	5050		71	F 7.3	205	--	--	27	--	0	65	--	2.9	--	--	--			45	
1300	5050		22	C 7.5	189			1.17		.00	1.07		.08			--				
	06N/07E-28M01	M																		
07/26/72	5050		69	F 7.1	175	--	--	16	--	0	64	--	7.9	--	--	--			50	
1000	5050		21	C 7.4	155			.70		.00	1.05		.22			--				
	06N/08E-21N02	M																		
07/26/72	5050		71	F 7.3	190	4.4	2.1	28	3.1	0	70	13	5.7	6.9	.10	--	202	20		
1200	5050		22	C 7.5	177	.22	.17	1.22	.08	.00	1.15	.27	.16	.11		--	98	0	2.8	
						13	10	72	5		68	16	9	7						

TABLE E-1 (CONTINUED)
MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB		TEMP		FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE									MILLIGRAMS PER LITER B	F	SIO2	TDS SUM	TH NCH	SAR
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3						
	5				CENTRAL VALLEY REGION																
	5-21				SACRAMENTO VALLEY																
	5-21.08				SACRAMENTO COUNTY																
	07N/05E-07C01	M																			
07/25/72	5050		66	F	7.7	340	--	--	20	--	0	135	--	30	--	--	--		107		
1515	5050		19	C	7.7	304			.87		.00	2.21		.85			--				
	07N/05E-12P01	M																			
07/26/72	5050		69	F	7.7	240	--	--	19	--	0	120	--	6.4	--	--	--		66		
0800	5050		21	C	7.8	203			.83		.00	1.97		.18			--				
	07N/06E-20J03	M																			
07/26/72	5050		69	F	7.7	260	--	--	17	--	0	124	--	6.7	--	--	--		84		
0840	5050		21	C	7.7	228			.74		.00	2.03		.19			--				
	08N/05E-30A01	M																			
07/26/72	5050		68	F	7.7	335	--	--	13	--	0	136	--	12	--	--	--		108		
0700	5050		20	C	7.8	276			.57		.00	2.23		.34			--				
	08N/06E-09Q04	M																			
08/02/72	5050		67	F	7.5	155	--	--	8.4	--	0	54	--	4.5	--	--	--		44		
0700	5050		19	C	7.5	132			.37		.00	.89		.13			--				
	08N/06E-28P04	M																			
07/26/72	5050		70	F	7.9	225	--	--	18	--	0	100	--	9.2	--	--	--		68		
1415	5050		21	C	7.8	208			.78		.00	1.64		.26			--				
	09N/05E-28K01	M																			
08/02/72	5050		69	F	7.5	510	--	--	21	--	0	145	--	68	--	--	--		170		
1230	5050		21	C	7.8	471			.91		.00	2.38		1.92			--				
	09N/06E-02P01	M																			
08/02/72	5050		70	F	7.5	350	--	--	11	--	0	144	--	14	--	--	--		121		
0800	5050		21	C	7.7	295			.48		.00	2.36		.39			--				
	10N/04E-36B01	M																			
08/02/72	5050		67	F	7.7	420	--	--	24	--	0	180	--	25	--	--	--		140		
1530	5050		19	C	7.9	384			1.04		.00	2.95		.71			--				
	10N/05E-14Q02	M																			
08/02/72	5050		67	F	7.3	380	--	--	20	--	0	144	--	29	--	--	--		123		
1000	5050		19	C	7.7	343			.87		.00	2.36		.82			--				
	10N/07E-20D02	M																			
08/02/72	5050		68	F	7.1	650	--	--	86	--	0	152	--	77	--	--	--		115		
0900	5050		20	C	7.7	555			3.74		.00	2.49		2.17			--				
	5-21.09				YOLO COUNTY																
	07N/04E-33L01	M																			
08/14/72	5050		63	F	8.3	850	--	--	134	--	0	250	--	107	--	1.70	--		66		
1000	5050		17	C	8.2	735			5.83		.00	4.10		3.02			--				
	08N/02E-05A02	M																			
08/16/72	5050				7.7	1000	34	50	69	.7	0	416	38	34	11.0	.90	--	448	291		
1000	5050				7.9	771	1.70	4.11	3.00	.02	.00	6.82	.79	.96	.18		--	442	0	1.8	
							19	47	34			78	9	11	2						
	08N/02E-14M03	M																			
08/14/72	5050		67	F	7.7	1400	--	--	72	--	0	539	--	40	--	.70	--		423		
1330	5050		19	C	8.1	1020			3.13		.00	8.83		1.13			--				
	08N/04E-16N08	M																			
08/14/72	5050		67	F	7.8	1350	--	--	149	--	0	301	--	170	--	1.80	--		166		
1230	5050		19	C	8.1	994			6.48		.00	4.93		4.79			--				
	09N/01E-34N01	M																			
08/14/72	5050		71	F	7.9	950	--	--	59	--	0	372	--	52	--	.60	--		301		
1400	5050		22	C	8.1	787			2.57		.00	6.10		1.47			--				
	09N/02E-10E01	M																			
08/14/72	5050		67	F	7.9	710	--	--	51	--	0	292	--	46	--	1.70	--		214		
1515	5050		19	C	8.1	617			2.22		.00	4.79		1.30			--				
	10N/01E-33J01	M																			
08/14/72	5050		69	F	8.1	660	--	--	62	--	0	268	--	41	--	1.50	--		165		
1430	5050		21	C	8.2	577			2.70		.00	4.39		1.16			--				
	11N/01E-06P02	M																			
08/15/72	5050		69	F	7.9	680	--	--	54	--	0	375	--	9.0	--	.50	--		225		
1315	5050		21	C	8.1	602			2.35		.00	6.15		.25			--				
	11N/01E-08F01	M																			
08/30/72	5050		70	F	7.9	185	23	27	40	1.9	0	297	4.0	7.6	1.9	.40	--	290	167		
1130	5050		21	C	8.2	458	1.15	2.22	1.74	.05	.00	4.87	.08	.21	.03		--	252	0	1.3	
							22	43	34	1		94	2	4	1						

TABLE E-1 (CONTINUED)
MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB		TEMP	FIELD LABORATORY PH	FIELD LABORATORY EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	SAR
	5			CENTRAL VALLEY REGION															
	5-21			SACRAMENTO VALLEY															
	5-21.09			YOLO COUNTY															
	11N/02E-29A01	M																	
08/15/72	5050		65	F 7.5	1800	--	--	86	--	0	432	--	142	--	4.10	--		442	
1415	5050		18	C 8.2	1190			3.74		.00	7.08		4.00			--			
	08N/01W-16G02	M																	
08/15/72	5050		69	F 7.9	310	--	--	15	--	0	154	--	5.4	--	.10	--		111	
0800	5050		21	C 8.0	263			.65		.00	2.52		.15			--			
	10N/01W-02Q01	M																	
08/15/72	5050		77	F 8.1	425	--	--	46	--	0	207	--	10	--	.50	--		115	
1215	5050		25	C 8.0	393			2.00		.00	3.39		.28			--			
	10N/02W-26P01	M																	
08/15/72	5050		70	F 7.9	400	--	--	21	--	0	218	--	4.3	--	.10	--		164	
0950	5050		21	C 8.1	385			.91		.00	3.57		.12			--			
	5-21.10			CAPAY VALLEY															
	10N/03W-11A01	M																	
08/15/72						--	--	81	--	0	282	--	105	--	.80	--		335	
1100	5050			7.9	915			3.52		.00	4.62		2.96			--			
	5-21.11			SOLANO COUNTY															
	04N/01E-01J01	M																	
08/14/72	5050			8.2	2100	--	--	125	--	0	262	--	399	--	--	--		617	
1600	5050			8.2	1880			5.44		.00	4.29		11.25			--			
	05N/01E-23R01	M																	
08/01/72	5050		67	F 8.2	775	7.2	8.8	153	.4	0	336	74	25	.0	1.10	--	469	54	
1200	5050		19	C 8.1	735	.36	.72	6.66	.01	.00	5.51	1.54	.71	.00		--	435	0	9.0
						5	9	86			71	20	9						
	05N/01E-35B01	M																	
08/01/72	5050		64	F 7.5	1600	74	55	167	.4	0	316	82	276	53.0	.60	--	954	410	
1320	5050		18	C 7.9	1570	3.69	4.52	7.26	.01	.00	5.18	1.71	7.78	.85		--	863	152	3.6
						24	29	47			33	11	50	5					
	05N/02E-15F01	M																	
08/14/72	5050			8.1	1200	--	--	189	--	28	393	--	46	--	--	--		186	
1700	5050			8.6	1080			8.22		.93	6.44		1.30			--			
	07N/01E-08N02	M																	
08/23/72	5050			7.9	480	36	23	30	.1	0	226	19	27	12.0	.00	--	277	186	
1500	5050			8.0	493	1.80	1.89	1.31	.00	.00	3.70	.40	.76	.19		--	258	0	1.0
						36	38	26			73	8	15	4					
	07N/01E-36C01	M																	
08/07/72	5050		64	F 7.7	1250	--	--	69	--	38	552	--	41	--	--	--		610	
1100	5050		18	C 8.5	1190			3.00		1.27	9.05		1.16			--			
	07N/02E-02D01	M																	
08/07/72	5050		66	F 7.8	1000	--	--	53	--	47	504	--	29	--	--	--		450	
1015	5050		19	C 8.6	985			2.31		1.57	8.26		.82			--			
	08N/01E-26F01	M																	
08/07/72	5050		64	F 7.5	1200	--	--	48	--	30	548	--	23	--	--	--		595	
0945	5050		18	C 8.5	1140			2.09		1.00	8.98		.65			--			
	08N/02E-21Q01	M																	
11/11/71	5050		76	F		16	14	79	1.9	0	256	34	19	.9	.80	--	319	96	
1100	5050		24	C 8.1	510	.80	1.15	3.44	.05	.00	4.20	.71	.54	.01		--	291	0	3.5
						15	21	63	1		77	13	10						
	06N/01W-01E01	M																	
08/23/72	5050			7.9	510	29	23	45	.1	0	271	8.9	27	1.6	.00	--	278	169	
1215	5050			7.9	514	1.45	1.89	1.96	.00	.00	4.44	.19	.76	.03		--	268	0	1.5
						27	36	37			82	4	14	1					
	07N/01W-28Q01	M																	
08/14/72	5050			7.6	420	41	14	28	.3	0	223	12	15	7.4	.00	--	240	162	
1430	5050			7.9	429	2.05	1.15	1.22	.01	.00	3.65	.25	.42	.12		--	227	0	1.0
						46	26	28			82	6	9	3					
	08N/01W-23A01	M																	
08/07/72	5050		65	F 7.7	620	--	--	25	--	17	288	--	23	--	--	--		267	
0830	5050		18	C 8.5	610			1.09		.57	4.72		.65			--			
	5-22			SAN JOAQUIN VALLEY															
	5-22.01			SAN JOAQUIN COUNTY															
	01N/06E-03C03	M																	
11/08/71	4203					70	18	100	4.7	--	152	7.0	263	.3	--	--	768	254	
	4203			7.0	925	3.51	1.54	4.35	.12		2.49	.15	7.42	.00		--			2.7
						37	16	46	1		25	1	74						
	01N/06E-04J01	M																	
11/08/71	4203					21	7.0	140	1.6	--	182	3.5	178	.3	--	--	510	82	
	4203			7.2	760	1.06	.58	6.09	.04		2.98	.07	5.02	.00		--			6.7
						14	7	78	1		37	1	62						

TABLE E-1 (CONTINUED)
MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB	TEMP		FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	MILLIGRAMS PER LITER B	F	SIO2	TDS SUM	TH NCH	SAR
	5			CENTRAL VALLEY REGION																
	5-22			SAN JOAQUIN VALLEY																
	5-22.01			SAN JOAQUIN COUNTY																
	01N/06E-06K01	M																		
10/12/71	5110					8.0	6.0	148	1.7	0	235	5.0	106	.5	--	--		453	45	
	5110			7.8	660	.40	.49	6.44	.04	.00	3.85	.10	2.99	.01		--		391	0	9.6
						5	7	87	1		55	1	43							
	01N/06E-09J01	M																		
10/12/71	5110					72	23	267	2.1	0	348	26	400	1.0	--	--		1137	275	
	5110			7.8	1750	3.59	1.89	11.61	.05	.00	5.70	.54	11.28	.02		--		962	0	7.0
						21	11	68			32	3	64							
	01N/06E-10Q06	M																		
10/12/71	5110					123	51	334	2.4	0	150	1.6	760	.2	--	--		1639	514	
	5110			7.5	2652	6.14	4.19	14.53	.06	.00	2.46	.03	21.43	.00		--		1346	394	6.4
						25	17	58			10		90							
	01N/06E-10Q07	M																		
10/12/71	5110					87	36	347	4.0	0	161	2.8	683	.0	--	--		1400	367	
	5110			7.5	2445	4.34	2.96	15.09	.10	.00	2.64	.06	19.26	.00		--		1239	233	7.9
						19	13	67			12		88							
	01N/06E-11E02	M																		
11/09/71	4203					94	13	205	3.1	--	12	.0	570	.4	--	--		1345	292	
	4203			7.4	1540	4.69	1.13	8.92	.08		.20	.00	16.07	.01		--				5.2
						32	8	60	1		1		99							
	01N/06E-13B03	M																		
07/21/72	5050	66	F	7.9	400	--	--	28	--	0	144	--	33	--	--	--			106	
0800	5050	19	C	7.9	353			1.22		.00	2.36		.93			--				
	01N/06E-15E01	M																		
10/12/71	5110					192	63	431	7.7	0	153	14	1106	16.0	--	--		1975	739	
	5110			7.4	3900	9.58	5.18	18.75	.20	.00	2.51	.29	31.19	.26		--		1905	613	6.9
						28	15	56	1		7	1	91	1						
	01N/06E-15E03	M																		
10/12/71	5110					192	68	462	7.7	0	153	19	1164	17.0	--	--		2075	760	
	5110			7.4	4000	9.58	5.59	20.10	.20	.00	2.51	.40	32.82	.27		--		2005	634	7.3
						27	16	57	1		7	1	91	1						
	01N/06E-22J01	M																		
11/08/71	4203					80	16	90	2.8	--	172	12	225	.5	--	--		636	268	
	4203			7.1	890	3.99	1.34	3.92	.07		2.82	.25	6.35	.01		--				2.4
						43	14	42	1		30	3	67							
	01N/06E-34Q01	M																		
10/12/71	5110					190	45	214	8.1	0	369	38	564	13.0	--	--		1433	660	
	5110			7.6	2350	9.48	3.70	9.31	.21	.00	6.05	.79	15.90	.21		--		1254	357	3.6
						42	16	41	1		26	3	69	1						
	01N/06E-35N01	M																		
10/12/71	5110					116	32	141	6.6	0	259	19	354	2.0	--	--		923	422	
	5110			7.8	1500	5.79	2.63	6.13	.17	.00	4.25	.40	9.98	.03		--		798	209	3.0
						39	18	42	1		29	3	68							
	01N/06E-35P01	M																		
10/12/71	5110					41	12	80	3.2	0	189	12	124	2.0	--	--		460	151	
	5110			7.9	670	2.05	.99	3.48	.08	.00	3.10	.25	3.50	.03		--		367	0	2.8
						31	15	53	1		45	4	51							
	01N/06E-35P02	M																		
10/12/71	5110					47	14	74	3.9	0	223	14	106	4.0	--	--		482	176	
	5110			8.0	670	2.35	1.15	3.22	.10	.00	3.65	.29	2.99	.06		--		373	0	2.4
						34	17	47	1		52	4	43	1						
	01N/06E-35P03	M																		
10/12/71	5110					110	39	201	7.1	0	418	24	380	10.0	--	--		1182	436	
	5110			7.7	1800	5.49	3.21	8.74	.18	.00	6.85	.50	10.72	.16		--		977	93	4.2
						31	18	50	1		38	3	59	1						
	01N/07E-26H03	M																		
07/21/72	5050	66	F	7.9	240	--	--	14	--	0	96	--	13	--	--	--			74	
1015	5050	19	C	7.8	217			.61		.00	1.57		.37			--				
	01N/08E-10C01	M																		
07/21/72	5050	68	F	7.7	240	--	--	15	--	0	106	--	9.9	--	--	--			76	
1200	5050	20	C	7.8	221			.65		.00	1.74		.28			--				
	02N/06E-04E01	M																		
10/12/71	5110					54	17	20	3.2	0	250	16	28	11.0	--	--		396	205	
	5110			7.7	480	2.69	1.40	.87	.08	.00	4.10	.33	.79	.18		--		272	0	0.6
						53	28	17	2		76	6	15	3						
	02N/06E-07P01	M																		
07/24/72	5050	65	F	8.1	580	--	--	31	--	0	223	--	54	--	--	--			198	
1030	5050	18	C	8.0	529			1.35		.00	3.65		1.52			--				
	02N/06E-08C01	M																		
10/12/71	5110					58	18	33	3.6	0	311	22	16	19.0	--	--		477	219	
	5110			7.8	540	2.89	1.48	1.44	.09	.00	5.10	.46	.45	.31		--		323	0	1.0
						49	25	24	2		81	7	7	5						
	02N/06E-09J01	M																		
11/09/71	4203					41	8.6	16	4.1	--	147	8.0	25	1.8	--	--		261	140	
	4203			7.2	385	2.08	.71	.70	.10		2.41	.17	.71	.03		--				0.6
						58	20	19	3		73	5	21	1						

TABLE E-1 (CONTINUED)
MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB		TEMP	FIELD LABORATORY PH	FIELD LABORATORY EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F	SIO2	TDS SUM	TH NCH	SAR
	5			CENTRAL VALLEY REGION																
	5-22			SAN JOAQUIN VALLEY																
	5-22.01			SAN JOAQUIN COUNTY																
	02N/06E-09K01	M																		
11/09/71	4203					52	.0	13	4.0	--	131	7.5	24	1.6	--	--	243	130	
	4203			7.1	360	2.59	.00	.59	.10		2.15	.16	.68	.03		--				0.5
						79		18	3		71	5	23	1						
	02N/06E-16D03	M																		
10/12/71	5110					27	10	14	4.3	0	149	12	10	1.0	--	--	223	109		
	5110			8.0	260	1.35	.82	.61	.11	.00	2.44	.25	.28	.02		--	152	0		0.6
						47	28	21	4		82	8	9	1						
	02N/06E-16E01	M																		
10/12/71	5110					48	15	19	3.9	0	201	29	30	7.0	--	--	349	182		
	5110			7.8	440	2.40	1.23	.83	.10	.00	3.29	.60	.85	.11		--	251	17		0.6
						53	27	18	2		68	12	18	2						
	02N/06E-16H01	M																		
11/09/71	4203					87	34	25	3.8	--	171	19	195	1.2	--	--	779	360		
	4203			7.1	815	4.35	2.80	1.09	.10		2.80	.41	5.50	.02		--				0.6
						52	34	13	1		32	5	63							
	02N/06E-17A01	M																		
10/12/71	5110					50	17	18	2.8	0	201	29	40	12.0	--	--	367	195		
	5110			7.8	460	2.50	1.40	.78	.07	.00	3.29	.60	1.13	.19		--	268	31		0.6
						53	29	16	1		63	12	22	4						
	02N/06E-17J01	M																		
11/02/71	4203					44	.0	17	3.4	--	155	5.0	15	1.9	--	--	200	112		
	4203			7.1	336	2.24	.00	.74	.09		2.54	.10	.44	.03		--				0.7
						73		24	3		82	3	14	1						
	02N/06E-19L01	M																		
10/12/71	5110					26	9.0	130	2.5	0	247	17	114	1.0	--	--	544	102		
	5110			7.9	720	1.30	.74	5.66	.06	.00	4.05	.35	3.21	.02		--	421	0		5.6
						17	10	73	1		53	5	42							
	02N/06E-19P01	M																		
10/12/71	5110					25	9.0	154	2.8	0	247	10	156	1.0	--	--	602	100		
	5110			8.0	810	1.25	.74	6.70	.07	.00	4.05	.21	4.40	.02		--	479	0		6.7
						14	8	76	1		47	2	51							
	02N/06E-19P02	M																		
10/12/71	5110					137	49	127	2.1	0	262	202	276	1.0	--	--	1054	573		
	5110			7.1	1600	6.84	4.03	5.52	.05	.00	4.29	4.21	7.78	.02		--	923	329		2.4
						42	25	34			26	26	48							
	02N/06E-20A01	M																		
11/02/71	4203					45	.0	23	3.6	--	142	10	25	.4	--	--	243	114		
	4203			7.1	360	2.28	.00	1.00	.09		2.33	.22	.71	.01		--				0.9
						68		30	3		71	7	22							
	02N/06E-20F01	M																		
11/08/71	4203					49	5.8	27	3.8	--	174	12	39	.6	--	--	308	147		
	4203			7.3	450	2.46	.48	1.17	.10		2.85	.25	1.11	.01		--				1.0
						58	11	28	2		68	6	26							
	02N/06E-20J01	M																		
10/12/71	5110					17	8.0	31	3.9	0	162	10	11	1.0	--	--	240	75		
	5110			8.1	270	.85	.66	1.35	.10	.00	2.66	.21	.31	.02		--	162	0		1.6
						29	22	46	3		83	7	10	1						
	02N/06E-20L01	M																		
10/12/71	5110					12	5.0	74	3.9	0	217	5.0	20	2.0	--	--	335	51		
	5110			8.1	370	.60	.41	3.22	.10	.00	3.56	.10	.56	.03		--	229	0		4.5
						14	9	74	2		84	2	13	1						
	02N/06E-20M02	M																		
11/02/71	4203					8.8	.0	84	4.7	--	220	.0	26	.4	--	--	331	22		
	4203			7.5	455	.44	.00	3.65	.12		3.61	.00	.73	.01		--				7.8
						10		87	3		83		17							
	02N/06E-21C01	M																		
10/12/71	5110					39	16	18	5.0	0	204	22	26	1.0	--	--	326	164		
	5110			7.9	400	1.95	1.32	.78	.13	.00	3.34	.46	.73	.02		--	227	0		0.6
						47	32	19	3		73	10	16							
	02N/06E-21C02	M																		
10/12/71	5110					30	11	23	3.2	0	168	17	20	2.0	--	--	271	120		
	5110			7.9	330	1.50	.90	1.00	.08	.00	2.75	.35	.56	.03		--	189	0		0.9
						43	26	29	2		75	9	15	1						
	02N/06E-21F01	M																		
10/12/71	5110					75	26	29	2.1	0	281	70	46	10.0	--	--	537	310		
	5110			7.6	650	3.74	2.14	1.26	.05	.00	4.61	1.46	1.30	.16		--	396	64		0.7
						52	30	18	1		61	19	17	2						
	02N/06E-22D01	M																		
11/09/71	4203					34	4.6	22	4.1	--	130	6.5	32	.5	--	--	273	105		
	4203			7.2	360	1.72	.38	.96	.10		2.13	.14	.90	.01		--				0.9
						54	12	30	3		67	4	28							
	02N/06E-29M01	M																		
10/12/71	5110					15	7.0	88	1.1	0	220	2.0	52	1.0	--	--	385	67		
	5110			7.9	460	.75	.58	3.83	.03	.00	3.61	.04	1.47	.02		--	274	0		4.7
						14	11	74	1		70	1	29							
	02N/06E-30B01	M																		
10/12/71	5110					22	5.0	134	2.8	0	275	2.0	94	2.0	--	--	534	76		
	5110			7.9	680	1.10	.41	5.83	.07	.00	4.51	.04	2.65	.03		--	397	0		6.7
						15	6	79	1		62	1	37							

TABLE E-1 (CONTINUED)
MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB	TEMP	FIELD LABORATORY PH	FIELD LABORATORY EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F	SIO2	TDS SUM	TH NCH	SAR
	5		CENTRAL VALLEY REGION																
	5-22		SAN JOAQUIN VALLEY																
	5-22.01		SAN JOAQUIN COUNTY																
	02N/07E-07Q02	M																	
10/12/71	5110				38	22	16	4.7	0	232	26	10	5.0	--	--	349	186		
	5110		7.6	410	1.90	1.81	.70	.12	.00	3.80	.54	.28	.08		--	236	0		0.5
					42	40	15	3		81	11	6	2						
	02N/07E-07Q01	M																	
07/24/72	5050	66	F	7.7	310	--	--	12	--	0	112	--	7.7	--	--	--		114	
1300	5050	19	C	7.8	279			.52		.00	1.84		.22			--			
	02N/07E-25M01	M																	
07/21/72	5050	70	F	7.7	240	--	--	14	--	0	121	--	5.7	--	--	--		82	
1245	5050	21	C	7.9	220			.61		.00	1.98		.16			--			
	02N/08E-13G01	M																	
07/21/72	5050	66	F	7.5	220	--	--	10	--	0	100	--	7.3	--	--	--		91	
1400	5050	19	C	7.7	216			.44		.00	1.64		.21			--			
	03N/06E-13A04	M																	
07/24/72	5050	70	F	7.3	910	--	--	38	--	0	368	--	53	--	--	--		342	
1430	5050	21	C	7.9	809			1.65		.00	6.03		1.49			--			
	03N/06E-15Q05	M																	
10/12/71	5110				38	15	19	4.3	0	195	13	18	14.0	--	--	312	157		
	5110		7.7	380	1.90	1.23	.83	.11	.00	3.20	.27	.51	.23		--	217	0		0.7
					47	30	20	3		76	6	12	5						
	03N/08E-20P01	M																	
07/24/72	5050	70	F	7.5	250	--	--	17	--	0	118	--	8.9	--	--	--		77	
1340	5050	21	C	7.7	229			.74		.00	1.93		.25			--			
	03N/09E-06N01	M																	
07/25/72	5050			7.5	160	--	--	9.7	--	0	64	--	7.0	--	--	--		55	
0730	5050			7.5	141			.42		.00	1.05		.20			--			
	04N/06E-12C06	M																	
07/25/72	5050	70	F	7.7	225	--	--	10	--	0	116	--	6.6	--	--	--		82	
1200	5050	21	C	7.7	212			.44		.00	1.90		.19			--			
	04N/06E-34E05	M																	
10/12/71	5110				13	5.0	9.0	.9	0	79	12	6.0	6.0	--	--	130	53		
	5110		7.6	150	.65	.41	.39	.02	.00	1.29	.25	.17	.10		--	91	0		0.5
					44	28	27	1		71	14	9	6						
	04N/07E-12P04	M																	
07/25/72	5050	70	F	7.5	185	--	--	16	--	0	79	--	8.6	--	--	--		49	
1030	5050	21	C	7.6	170			.70		.00	1.29		.24			--			
	04N/09E-17E02	M																	
07/25/72	5050	67	F	7.1	350	--	--	27	--	0	121	--	21	--	--	--		88	
0930	5050	19	C	7.8	314			1.17		.00	1.98		.59			--			
	01S/06E-02D04	M																	
07/21/72	5050	68	F	7.9	2500	--	--	132	--	0	246	--	348	--	--	--		409	
0840	5050	20	C	7.7	1500			5.74		.00	4.03		9.81			--			
	01S/08E-13M01	M																	
07/20/72	5050	70	F	7.7	550	--	--	30	--	0	212	--	36	--	--	--		187	
1330	5050	21	C	7.9	517			1.31		.00	3.47		1.02			--			
	01S/09E-11J01	M																	
07/20/72	5050	70	F	7.5	230	--	--	15	--	0	82	--	14	--	--	--		66	
1300	5050	21	C	7.6	210			.65		.00	1.34		.39			--			
	01S/09E-33P01	M																	
08/18/72	5050	70	F	7.6	290	18	10	18	2.7	0	121	3.8	6.3	17.0	.00	--	214	87	
1030	5050	21	C	7.6	253	.90	.82	.78	.07	.00	1.98	.08	.18	.27		--	135	0		0.8
					35	32	30	3		79	3	7	11						
	02S/06E-20K01	M																	
06/20/72	5050				24	13	117	3.0	0	160	143	57	1.8	.60	--	445	112		
1315	5050			7.9	736	1.20	1.07	5.09	.08	.00	2.62	2.98	1.61	.03		--	438	0		4.8
						16	14	68	1		36	41	22						
	02S/06E-20R01	M																	
06/20/72	5050				42	19	103	3.6	0	148	158	81	1.4	.60	--	493	183		
1250	5050			7.8	822	2.10	1.56	4.48	.09	.00	2.43	3.29	2.28	.02		--	481	62		3.3
						26	19	54	1		30	41	28						
	02S/06E-20R02	M																	
06/20/72	5050				37	17	101	3.6	0	145	172	62	2.0	.50	--	476	161		
1245	5050			7.8	746	1.85	1.40	4.39	.09	.00	2.38	3.58	1.75	.03		--	466	44		3.5
						24	18	57	1		31	46	23						
	02S/07E-07Q01	M																	
07/19/72	5050	66	F	7.7	625	--	--	34	--	0	270	--	18	--	--	--		233	
1230	5050	19	C	7.9	576			1.48		.00	4.43		.51			--			

TABLE E-1 (CONTINUED)
MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB		TEMP		FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE									MILLIGRAMS PER LITER B	F SIO2	TDS SUM	TH NCH	SAR
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3					
	5	CENTRAL VALLEY REGION																		
	5-22	SAN JOAQUIN VALLEY																		
	5-22.01	SAN JOAQUIN COUNTY																		
	02S/07E-24R02	M																		
07/19/72	5050		68	F	7.8	425	--	--	34	--	0	145	--	24	--	--	--		116	
1315	5050		20	C	7.9	398			1.48		.00	2.38		.68			--			
	02S/08E-02C01	M																		
07/20/72	5050		67	F	7.5	370	--	--	20	--	0	139	--	5.0	--	--	--		114	
0830	5050		19	C	7.8	311			.87		.00	2.28		.14			--			
	02S/08E-20J02	M																		
07/21/72	5050		70	F	7.9	410	24	9.0	30	4.9	0	108	12	40	10.0	.20	--	252	96	
0930	5050		21	C	7.8	347	1.20	.74	1.31	.13	.00	1.77	.25	1.13	.16		--	183	9	1.3
							36	22	39	4		53	8	34	5					
	02S/09E-12R01	M																		
07/20/72	5050		66	F	7.7	300	--	--	21	--	0	149	--	5.6	--	--	--		96	
1045	5050		19	C	7.8	263			.91		.00	2.44		.16			--			
	02S/09E-15P01	M																		
07/20/72	5050		68	F	7.8	215	--	--	16	--	0	98	--	6.8	--	--	--		60	
1015	5050		20	C	7.8	191			.70		.00	1.61		.19			--			
	03S/05E-04H01	M																		
07/19/72	5050		68	F	7.5	1500	--	--	90	--	0	221	--	180	--	--	--		348	
1030	5050		20	C	7.8	1130			3.92		.00	3.62		5.08			--			
	03S/05E-12J02	M																		
07/19/72	5050		68	F	7.7	2800	--	--	165	--	0	134	--	273	--	--	--		576	
0930	5050		20	C	8.1	1870			7.18		.00	2.20		7.70			--			
	03S/06E-17K01	M																		
07/19/72	5050		68	F	7.5	1070	--	--	81	--	0	204	--	73	--	--	--		251	
0900	5050		20	C	8.3	880			3.52		.00	3.34		2.06			--			
	5-30	LOWER LAKE																		
	12N/07W-01F01	M																		
09/12/72	5050		71.0F		6.5	215	--	--	--	--	--	--	--	5.6	7.2	--	--		74	
1245	5050		21.6C			201								.16	.12		--			
	12N/07W-01M02	M																		
09/12/72	5050		63.0F			490	35	25	26	.5	0	177	74	13	8.5	.30	--	310	189	
1305	5050		17.2C		8.0	483	1.75	2.06	1.13	.01	.00	2.90	1.54	.37	.14		--	269	46	0.8
							35	42	23			59	31	7	3					
	12N/07W-02P03	M																		
09/12/72	5050		66.0F		7.2	950	--	--	--	--	--	--	--	--	--	--	--			
1230			18.9C														--			
	12N/07W-13N01	M																		
09/12/72	5050		61.0F		6.6	590	--	--	--	--	--	--	--	--	--	--	--			
1405			16.1C														--			
	12N/07W-14C02	M																		
09/12/72	5050		71.0F		6.5	605	--	--	--	--	--	--	--	21	25.0	--	--		193	
1345	5050		21.6C			591								.59	.40		--			
	12N/07W-14F01	M																		
09/12/72	5050		63.0F		7.2	3500	--	--	--	--	--	--	--	--	--	--	--			
1330			17.2C														--			

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB		TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE										B	F	TDS	TH	
						CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3			SIO2	SUM	NCH	SAR
	6			LAHONTAN REGION																
	6-01			SURPRISE VALLEY																
		40N/16E-11G01	M																	
09/13/72	5050		53.0F	7.7	210	--	--	--	--	--	--	--	--	--	--	--	--			
1115			11.7C														--			
		40N/16E-13G01	M																	
09/13/72	5050		58.0F	7.6	225	--	--	--	--	--	--	--	--	--	--	--	--			
1125			14.4C														--			
		40N/16E-13R01	M																	
09/13/72	5050		54.0F	7.6	237	--	--	--	--	--	--	--	--	--	--	--	--			
1140			12.2C														--			
		40N/16E-36F01	M																	
09/13/72	5050		57.0F	7.3	340	--	--	--	--	--	--	--	--	--	--	--	--			
1240			13.9C														--			
		40N/17E-20C01	M																	
09/13/72	5050		56.0F	7.9	380	--	--	--	--	--	--	--	--	--	--	--	--			
1215			13.3C														--			
		40N/17E-31M01	M																	
09/13/72	5050		51.0F	7.1	265	--	--	--	--	--	--	--	--	--	--	--	--			
1300			10.5C														--			
		41N/16E-14M01	M																	
09/13/72	5050		60.0F	7.6	195	--	--	--	--	--	--	--	--	--	--	--	--			
1000			15.5C														--			
		41N/16E-23J01	M																	
09/13/72	5050		64.0F	7.3	355	--	--	--	--	--	--	--	--	--	--	--	--			
1015			17.8C														--			
		41N/16E-25C03	M																	
09/13/72	5050		56.0F	7.8	195	--	--	--	--	--	--	--	--	--	--	--	--			
1025			13.3C														--			
		41N/16E-35D02	M																	
09/13/72	5050		57.0F	7.3	143	--	--	--	--	--	--	--	--	--	--	--	--			
1045			13.9C														--			
		41N/16E-35F01	M																	
09/13/72	5050		54.0F	7.1	165	--	--	--	--	--	--	--	--	--	--	--	--			
1110			12.2C														--			
		42N/16E-08E01	M																	
09/13/72	5050		60.0F	7.9	302	33	12	12	.4	0	175	2.8	5.6	4.1	.00	--	158	134		
0730	5050		15.5C	7.8	289	1.65	.99	.52	.01	.00	2.87	.06	.16	.07		--	156	0	0.5	
						52	31	16			91	2	5	2						
		42N/16E-08F01	M																	
09/13/72	5050		73.0F	7.4	355	--	--	--	--	--	--	--	--	--	--	--	--			
0735			22.8C														--			
		42N/16E-29B02	M																	
09/13/72	5050		56.0F	7.3	228	--	--	--	--	--	--	--	--	--	--	--	--			
0850			13.3C														--			
		42N/16E-34F01	M																	
09/13/72	5050		61.0F	8.0	345	--	--	--	--	--	--	--	--	--	--	--	--			
1100			16.1C														--			
		43N/16E-05L01	M																	
09/13/72	5050		56.0F	7.4	277	--	--	--	--	--	--	--	--	--	--	--	--			
1515			13.3C														--			
		43N/16E-08D01	M																	
09/13/72	5050		69.0F	7.4	335	32	13	15	.8	0	167	6.9	7.2	12.0	.00	--	201	135		
1455	5050		20.5C	7.4	312	1.60	1.07	.65	.02	.00	2.74	.14	.20	.19		--	169	0	0.6	
						48	32	19	1		84	4	6	6						
		43N/16E-20B01	M																	
09/13/72	5050		63.0F	7.8	315	--	--	--	--	--	--	--	--	--	--	--	--			
1445	5050		17.2C														--			
		43N/16E-32K01	M																	
09/13/72	5050		66.0F	8.2	275	--	--	--	--	--	--	--	--	--	--	--	--			
1430			18.9C														--			
		43N/16E-33M03	M																	
09/13/72	5050		62.0F	7.3	840	89	27	47	.4	0	426	46	19	9.5	.10	--	467	333		
1415	5050		16.7C	7.8	783	4.44	2.22	2.04	.01	.00	6.98	.96	.54	.15		--	447	0	1.1	
						51	25	23			81	11	6	2						

TABLE E-1 (CONTINUED)
MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB		TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	MILLIGRAMS PER LITER F SIO2	TDS SUM	TH NCH	SAR
		6		LAHONTAN REGION															
		6-01		SURPRISE VALLEY															
		43N/17E-20D01	M																
09/13/72 1610	5050		65.0F 18.3C	8.4	675	--	--	--	--	--	--	--	--	--	--	-- --			
		43N/17E-21J01	M																
09/13/72 1625	5050		64.0F 17.8C	8.4	420	--	--	--	--	--	--	--	--	--	--	-- --			
		44N/15E-36F02	M																
09/14/72 0735	5050		55.0F 12.8C	6.8	112	--	--	--	--	--	--	--	--	--	--	-- --			
		44N/16E-31B01	M																
09/13/72 1535	5050		54.0F 12.2C	7.0	422	--	--	--	--	--	--	--	--	--	--	-- --			
		45N/16E-19Q01	M																
09/14/72 0800	5050		65.0F 18.3C	7.8	335	--	--	--	--	--	--	--	--	--	--	-- --			
		46N/16E-23B01	M																
09/14/72 0840	5050		55.0F 12.8C	7.7	350	--	--	--	--	--	--	--	--	--	--	-- --			
		6-02		MADELINE PLAIN															
		34N/13E-18E01	M																
08/24/72 1025	5050		55.0F 12.8C	7.7	170	--	--	--	--	--	--	--	--	--	--	-- --			
		34N/14E-23E01	M																
08/24/72 0820	5050		59.0F 15.0C	7.4	270	--	--	--	--	--	--	--	--	--	--	-- --			
		34N/15E-21L01	M																
08/24/72 0900	5050		56.0F 13.3C	7.3	143	--	--	--	--	--	--	--	--	--	--	-- --			
		35N/13E-25H01	M																
08/24/72 1000	5050		54.0F 12.2C	7.3	925	--	--	--	--	--	--	--	--	--	--	-- --			
		37N/13E-16A01	M																
08/24/72 1115	5050		57.0F 13.9C	7.7	475	--	--	--	--	--	--	--	--	--	--	-- --			
		37N/13E-20D01	M																
08/24/72 1100	5050 5050		57.0F 13.9C	7.3	3000	--	--	--	--	--	--	--	--	--	--	-- --			
		6-03		WILLOW CREEK VALLEY															
		31N/12E-25G01	M																
08/23/72 1300	5050 5050		56.0F 13.3C	7.4 8.0	400 389	--	--	--	--	0 .00	233 3.82 92	--	4.6 .13 3	11.0 .18 4	--	-- --		188	
		6-04		HONEY LAKE VALLEY															
		22N/17E-04K01	M																
08/22/72 1210	5050 5050		56.0F 13.3C	7.3	398	--	--	--	--	--	--	--	--	--	--	-- --			
		25N/17E-21N03	M																
08/22/72 1010	5050		60.0F 15.5C	7.7	300	--	--	--	--	--	--	--	--	--	--	-- --			
		25N/17E-29H01	M																
08/22/72 1310	5050		67.0F 19.4C	7.1	228	--	--	--	--	--	--	--	--	--	--	-- --			
		27N/14E-06C01	M																
08/22/72 0745	5050		57.0F 13.9C	6.9	303	--	--	--	--	--	--	--	--	--	--	-- --			
		27N/14E-26E01	M																
08/22/72 0815	5050		59.0F 15.0C	6.8	200	--	--	--	--	--	--	--	--	--	--	-- --			
		27N/14E-26F05	M																
08/22/72 0840	5050 5050		63.0F 17.2C	7.0 7.3	198 186	--	--	--	--	0 .00	44 .72 47	--	5.4 .15 10	40.0 .65 43	--	-- --		60	

TABLE E-1 (CONTINUED)
MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB		TEMP	FIELD LABORATORY PH	FIELD LABORATORY EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F	SIO2	TDS SUM	TH NCH	SAR
	6			LAHONTAN REGION																
	6-04			HONEY LAKE VALLEY																
		28N/13E-09E01 M																		
08/22/72	5050		55.0F	6.8	208	--	--	--	--	--	--	--	--	--	--	--				
0715			12.8C																	
		28N/13E-25L01 M																		
08/22/72	5050		66.0F	6.9	195	--	--	--	--	0	80	--	6.0	14.0	--	--			76	
0730	5050		18.9C	7.6	184					.00	1.31		.17	.23		--				
											77		10	13						
		28N/14E-06M01 M																		
08/23/72	5050		68.0F	7.6	405	--	--	--	--	0	218	--	13	25.0	--	--			37	
0735	5050		20.0C	8.1	458					.00	3.57		.37	.40		--				
											82		9	9						
		28N/14E-08A01 M																		
08/23/72	5050		61.0F	7.8	440	7.6	2.7	80	5.2	0	219	6.6	16	6.6	.30	--		319	30	
0805	5050		16.1C	8.2	432	.38	.22	3.48	.13	.00	3.59	.14	.45	.11		--		233	0	6.3
						9	5	83	3		84	3	10	3						
		28N/14E-17B01 M																		
08/23/72	5050		60.0F	7.3	735	--	--	--	--	--	--	--	--	--	--	--				
0830			15.5C																	
		28N/17E-18K01 M																		
08/23/72	5050		62.0F	8.0	277	--	--	--	--	--	--	--	--	--	--	--				
1145			16.7C																	
		29N/12E-02P06 M																		
08/21/72	5050		58.0F	7.5	477	--	--	--	--	--	--	--	--	--	--	--				
1305			14.4C																	
		29N/12E-04G01 M																		
08/22/72	5050		80.0F	7.8	750	13	4.0	136	2.1	0	89	156	76	1.1	1.60	--		463	49	
1550	5050		26.6C	7.8	744	.65	.33	5.92	.05	.00	1.46	3.25	2.14	.02		--		434	0	8.5
						9	5	85	1		21	47	31							
		29N/12E-15A01 M																		
08/22/72	5050		56.0F	7.0	222	--	--	--	--	--	--	--	--	--	--	--				
1505			13.3C																	
		29N/12E-16M02 M																		
08/22/72	5050		68.0F	7.8	235	--	--	--	--	--	--	--	--	--	--	--				
1450			20.0C																	
		29N/13E-01N01 M																		
08/21/72	5050		59.0F	7.7	675	--	--	--	--	--	--	--	--	--	--	--				
1400			15.0C																	
		29N/13E-06K01 M																		
08/21/72	5050		62.0F	7.4	290	--	--	--	--	--	--	--	--	--	--	--				
1430	5050		16.7C																	
		29N/13E-14G01 M																		
08/21/72	5050		61.0F	7.2	900	--	--	--	--	--	--	--	--	--	--	--				
1710			16.1C																	
		29N/14E-04N01 M																		
08/21/72	5050		64.0F	7.6	705	--	--	--	--	--	--	--	--	--	--	--				
1515			17.8C																	
		29N/14E-10E01 M																		
08/23/72	5050		64.0F	7.6	975	16	12	180	5.0	0	297	158	44	9.2	.30	--		594	89	
1220	5050		17.8C	8.1	914	.80	.99	7.83	.13	.00	4.87	3.29	1.24	.15		--		571	0	8.3
						8	10	80	1		51	34	13	2						
		29N/14E-17Q01 M																		
08/21/72	5050		60.0F	7.9	1600	--	--	--	--	--	--	--	--	--	--	--				
1625			15.5C																	
		29N/14E-18R01 M																		
08/21/72	5050		56.0F	8.0	1225	--	--	--	--	--	--	--	--	--	--	--				
1650	5050		13.3C																	
		29N/14E-19A02 M																		
08/21/72	5050		61.0F	7.7	2000	--	--	--	--	0	500	--	42	75.0	--	--			115	
1635	5050		16.1C	8.3	1910					.00	8.20		1.18	1.21		--				
											77		11	11						
		29N/14E-20A03 M																		
08/21/72	5050		58.0F	7.5	1310	--	--	--	--	--	--	--	--	--	--	--				
1550			14.4C																	
		29N/14E-20B01 M																		
08/21/72	5050		57.0F	7.7	2200	--	--	--	--	--	--	--	--	--	--	--				
1615			13.9C																	

TABLE E-1 (CONTINUED)
MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB		TEMP	FIELD LABORATORY PH	FIELD LABORATORY EC	MINERAL CONSTITUENTS IN MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	SAR
	6			LAHONTAN REGION															
	6-04			HONEY LAKE VALLEY															
	29N/15E-21N01	M																	
08/23/72	5050		63.0F	7.9	1000	7.9	8.9	196	4.0	0	422	7.6	78	28.0	.50	--	593	56	
0750	5050		17.2C	8.1	959	.39	.73	8.53	.10	.00	6.92	.16	2.20	.45		--	538	0	11.4
						4	7	87	1		71	2	23	5					
	29N/15E-30A03	M																	
08/23/72	5050		60.0F	7.9	615	--	--	--	--	--	--	--	--	--	--	--			
1000			15.5C													--			
	29N/16E-30L01	M																	
08/23/72	5050		83.0F	7.9	335	--	--	--	--	--	--	--	--	--	--	--			
1050	5050		28.3C													--			
	25E/17M-20B01	N																	
08/22/72	5050		59.0F	7.3	460	45	14	30	1.3	0	249	3.4	9.3	14.0	.00	--	272	170	
1140	5050		15.0C	8.1	442	2.25	1.15	1.31	.03	.00	4.08	.07	.26	.23		--	239	0	1.0
						47	24	28	1		88	2	6	5					
	6-05			TAHOE VALLEY															
	6-05.01			SOUTH TAHOE VALLEY															
	13N/18E-33R05	M																	
07/31/72	5050		50 F	6.8	145	--	--	7.2	--	0	73	--	1.8	--	--	--		49	
1000	5050		10 C	7.4	126			.31		.00	1.20		.05			--			
	12N/18E-03A01	M																	
07/31/72	5050		58 F	6.7	135	--	--	6.5	--	0	44	--	9.9	--	--	--		40	
0930	5050			7.0	115			.28		.00	.72		.28			--			

TABLE E-2

MINOR ELEMENT ANALYSIS OF GROUND WATER

State Well Number	Date Sampled	Constituents in Milligrams per Liter							
		Arsenic	Cadmium	Copper	Iron	Lead	Manganese	Selenium	Zinc
CENTRAL VALLEY REGION 5-00.00									
GOOSE LAKE VALLEY 5-01.00									
47N/13E-07Q01 M	8-25-72	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00
ALTURAS BASIN 5-02.00									
41N/11E-02J01 M	8-24-72	0.00	0.00	0.01	0.08	0.01	0.00	0.00	0.15
BIG VALLEY 5-04.00									
38N/07E-23D01 M	9-27-72	0.00	0.00	0.00	0.01	0.01	0.30	0.00	0.00
FALL RIVER VALLEY 5-05.00									
37N/05E-24F01 M	9-26-72	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00
REDDING BASIN 5-06.00									
31N/04W-15B01 M	6-14-72	0.00	0.00	0.01	0.05	0.01	0.00		0.04
32N/03W-32J02 M	6-13-72	0.00	0.00	0.01	0.02	0.01	0.00		0.02
SIERRA VALLEY 5-12.00									
21N/15E-04N01 M	9-27-72	0.00							
22N/15E-11F01 M	9-26-72	0.02							
22N/15E-26K02 M	9-26-72	0.00							
22N/16E-05N02 M	9-28-72	0.00							
23N/14E-35L02 M	9-25-72	0.00							
23N/15E-35C01 M	9-28-72	0.00							
UPPER LAKE VALLEY 5-13.00									
15N/09W-31P01 M	9-13-72	0.00	0.00	0.00	0.02	0.01	0.00	0.00	0.02
KELSEYVILLE VALLEY 5-15.00									
14N/09W-32J03 M	9-07-72	0.00	0.00	0.00	0.02	0.01	0.00	0.00	0.00
SACRAMENTO VALLEY 5-21.00									
TEHAMA COUNTY 5-21.01									
26N/02W-15M01 M	7-14-72	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.01
27N/03W-23D01 M	7-13-72	0.00	0.00	0.00	0.05	0.01	0.00	0.00	0.14
GLENN COUNTY 5-21.02									
18N/02W-01E01 M	7-28-72	0.00	0.00	0.01	0.01	0.01	0.00	0.00	0.01
22N/04W-10B01 M	7-26-72	0.00	0.00	0.01	0.08	0.00	0.00	0.00	0.28
BUTTE COUNTY 5-21.03									
17N/01E-01R01 M	8-16-72	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
23N/01W-09L01 M	8-15-72	0.00	0.00	0.01	0.02	0.01	0.00	0.00	1.1

TABLE E-2 (Continued)

MINOR ELEMENT ANALYSIS OF GROUND WATER

State Well Number	Date Sampled	Constituents in Milligrams per Liter							
		Arsenic	Cadmium	Copper	Iron	Lead	Manganese	Selenium	Zinc
COLUSA COUNTY 5-21.04									
13N/01E-22J01 M	8-23-72	0.00	0.00	0.00	0.01	0.00	2.2	0.00	0.07
17N/02W-12C01 M	8-23-72	0.00	0.00	0.00	0.10	0.00	0.04	0.00	0.01
SACRAMENTO COUNTY 5-21.08									
08N/05E-15J01 M	3-02-72				0.09		0.01		
SOLANO COUNTY 5-21.11									
08N/02E-21Q01 M	11-11-71	0.00	0.00	0.00	0.01	0.01	0.02	0.00	0.02
SAN JOAQUIN VALLEY 5-22.00									
SAN JOAQUIN COUNTY 5-22.01									
02S/06E-20K01 M	6-20-72				0.38		0.18		
02S/06E-20R01 M	6-20-72				0.06		0.19		
02S/06E-20R02 M	6-20-72				0.05		0.19		
LAHONTAN REGION 6-00.00									
SURPRISE VALLEY 6-01.00									
43N/16E-20B01 M	9-13-72	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.03
MADELINE PLAINS 6-02.00									
37N/13E-20Q01 M	8-24-72	0.01	0.00	0.00	0.05	0.00	0.00	0.04	0.87
HONEY LAKE VALLEY 6-04.00									
22N/17E-04K01 M	8-22-72	0.00	0.00	0.00	0.14	0.00	0.00	0.00	0.20
29N/13E-06K01 M	8-21-72	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.01
29N/14E-18R01 M	8-21-72	0.13	0.00	0.01	0.02	0.00	0.00	0.00	0.02
29N/16E-30L01 M	8-23-72	0.00	0.00	0.01	0.03	0.00	0.00	0.00	0.01

Appendix F

WASTE WATER DATA

Appendix F, "Waste Water Data", which appeared in certain volumes of Bulletin No. 130 series, has been discontinued. For information regarding waste water, the reader is referred to the recently reactivated Bulletin No. 68 series: "Inventory of Waste Water Production and Waste Water Reclamation Practices in California".

Please note the data presented in Bulletin No. 68 are on a calendar year basis rather than a water year basis as is the case in Bulletin No. 130.